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WALLACES' FARMER AND Iowa Homestead

Good Farming *Clear Thinking* *Right Living*

Will You Be Flooded Out This Spring?

HOW would you feel if you came back to your farm after flood waters had covered the land?

Mason Z. Strawhacker and his wife, of Des Moines county, Iowa, had this experience after a winter flood had driven them away from home.

Pictures on this page and on page 9 show what they found after the flood waters had gone down.

Similar experiences come to thousands of corn belt farmers along rivers—particularly along the Mississippi and Missouri—each year.

Can anything be done to stop the annual toll of floods?

In the Tennessee valley, the TVA has helped control floods. Can some similar plan be successfully attempted in other river valleys?

Our issue of April 6 will show how a cross-section of Iowa farm folks, in a new Wallace-Homestead poll, feel about TVA and MVA.

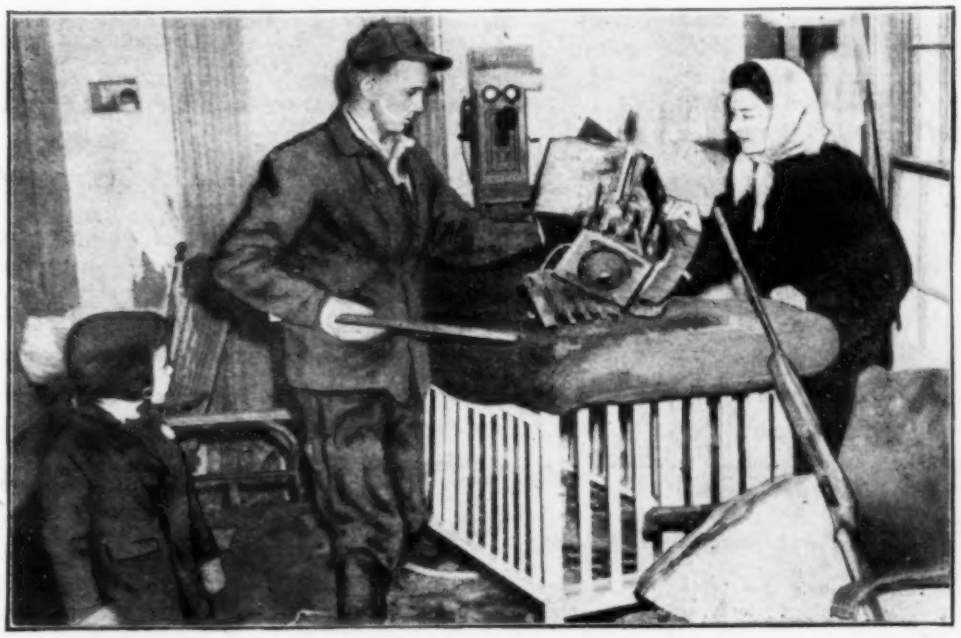
BACK HOME

The Strawhackers, Des Moines county, Iowa, come back to the farm after the flood is over. The water is still 10 feet deep on the field you can see over their shoulders.

The pictures on this page and on page 9 show the kind of a homecoming that no farm family wants.

WATER SOAKED

In the house, they found the water had come in as high as their heads. The furniture had floated around. When the waters fell, the furniture was left crusted with ice. The Strawhackers are looking at a radio, which was ruined.



MARCH 16, 1946

IOWA'S LEADING FARM NEWSPAPER

"Here's How I Plow Fast with three 18-inch bottoms"

Wayne A. Robinson,
Marshalltown, Iowa

Present tires wearing smooth? Have them recapped with this powerhouse Sure-Grip tread — available from your Goodyear dealer.

FARMER Wayne A. Robinson grows certified seed corn, soybeans and oats on his 480-acre farm near Marshalltown, Iowa. On his North 80 — mostly heavy black gumbo — he plows over a green cover crop of sweet clover — uses a heavy plow with three 18-inch bottoms, and moves fast. He says:

"Sometimes I have as much as 4,000 pounds' pull at the drawbar when plowing my North 80. But Goodyear Sure-Grips on my big tractor give me the full traction I need. Those open center bars get into the ground easier than other type lug bars. They dig in cleaner, deeper and take firmer hold in the soil — give more traction than other tractor tires I've used. They back up better, too, and are really self-cleaning."

Why Goodyears give plus traction

Mr. Robinson's experience adds to that of thousands of other farmers the country over, confirming what *impartial* farm tests have proved—that *open center* Sure-Grips give more traction, more drawbar pull, *do up to 22% more work with less time and fuel consumed.* Here's why:

Each husky lug — *open at the center* — has an entering edge that starts the bite. Whole lug digs in deeper, takes full, firm hold in soil, gives more pull. Tread is really self-cleaning because all mud-holding corners are eliminated.

Less slip — Long wear — No bounce

Slippage wears lug bars fast. But Goodyear *open center* lugs bite deeper and so slip less, wear slower, more evenly. And lugs are all the same size and evenly spaced for smooth, no-bounce riding.

Weigh these facts and you'll know why farmers everywhere find — and farm tests prove — that Goodyear self-cleaning *open center* Sure-Grips deliver greater get-ahead traction — are the greatest traction tires built.

Sure-Grip—T.M. The Goodyear Tire & Rubber Company

GOODYEAR
Sure-Grip Tractor Tires

TEAM-UP WITH YOUR Occo SERVICE MAN

. . . and GET INCREASED LIVESTOCK PRODUCTION in 1946

"Howdy, neighbor!" That's the greeting which Occo Service Men receive from thousands and thousands of their farmer-friends. Right in your own community are many farmers who look upon the local Occo Service Man as a helpful neighbor. If you are not one of these farmers, then this new year offers you a good opportunity to get acquainted with this helpful neighbor.

Your Occo Service Man has wide farm experience. He is specially trained, too . . . trained to give you sound feeding advice and make practical suggestions regarding the care of your livestock and poultry. This training is backed by 33 years of research which has been carried on by the Oelwein Chemical Company.

Your Occo Service Man is certainly equipped to serve you well . . . furthermore, he's the kind of a person who will gladly go out into your feed-lot and help you work out feeding programs that are practical and efficient.

So this year, to improve the condition of your livestock and get increased production, get acquainted with the Occo Service Man who is your neighbor. A phone call or post card will bring him to your farm for a talk. If you do not have his name, write direct to this firm.

FOR LIVESTOCK AND POULTRY

Tune In

Occo News Broadcasts: WHO, Des Moines, 12 noon, Tuesday and Thursday; WMT, Cedar Rapids, 7:00 a. m., Monday, Wednesday and Friday; WNAX, Yankton, S. D., 7:15 a. m., Tuesday, Thursday and Saturday.

OELWEIN CHEMICAL COMPANY
OELWEIN, IOWA

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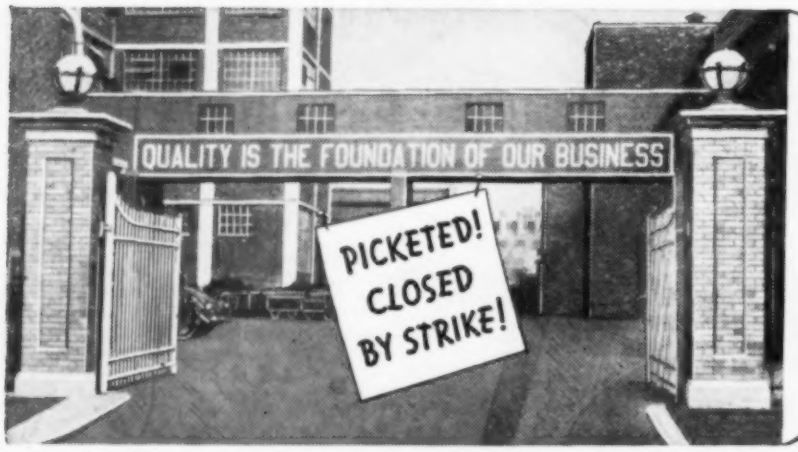
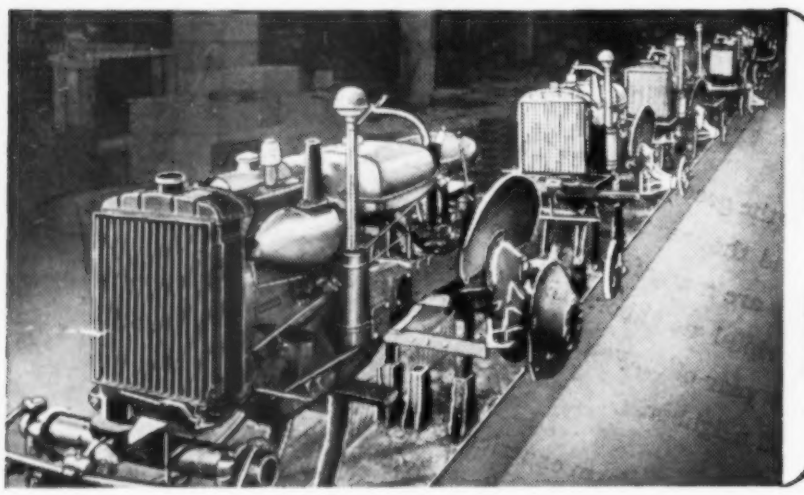
You aren't getting machinery, Mr. Farmer, because . . .



Photograph of factory gates at Tractor Works, Chicago. Although open at the time this picture was taken (before the strike), they are now closed by picketing.



Final Assembly Line at Tractor Works, Chicago. This photograph was taken between shifts before the strike started. It shows present condition of the line.

PICKET LINES

have taken the place of

PRODUCTION LINES!

. . . so don't blame your IMPLEMENT DEALER!

YOUR implement dealer had planned and expected to have his display floor filled with new implements and tractors weeks ago. And we had planned to make them—had told our dealers and our farmer customers they would have new equipment and plenty of service parts for the 1946 spring work. And we had hoped to sell these machines at no advance in price.

Real Production Had Started

When the war ended, our organization bent every effort to increase production, with the result that in the last months of 1945 machinery was being built in very substantial quantities. Here are a few figures:

ITEM	PRODUCTION NOV. 1945	PRODUCTION DEC. 1945
Tractors	7,271	7,432
Combines	2,345	2,526
Cultivators	3,482	3,308
Hay loaders	209	982
*Plows	6,185*	6,702*

*Plows are made in our Canton and Chattanooga Works, which are not on strike. January production was 7,747 plows.

Both your dealer and we were encouraged by this production picture at the turn of the year.

But the strike changed all that. As you know, the CIO United Farm Equipment & Metal Workers of America called a strike in ten of our plants, effective January 21, 1946.

What Is The Strike About?

Wages are a basic issue. At the time of the strike, Harvester employes were among the highest paid workers in American industry. When the strike began, the average hourly earnings in the Company's plants, not including overtime, were $1.15½. If present wage proposals are adopted, this figure will become $1.33½ per hour.

When the strike began, negotiations were broken off by the Union on the issue of compulsory union membership. The Company has no desire to weaken the Union. It recognizes certain reasonable needs of the Union. But the Company does oppose *compulsory* unionism. It feels strongly that an employe's membership should be a matter of his own choice.

Material Costs and Price Relief

Wages and materials are the great costs of operating our business—together they consume all but a few cents of every dollar the Company takes in. Wages are obviously going to be high—and nobody knows just how high material costs will go.

In the face of rising costs of materials, the Company does not see how it can pay the wage increases recommended by a Government fact finding board until it has definite and satisfactory assurance from the Government that reasonable price relief will be granted to the Company within a reasonable period of time. This matter is of such importance that it will not be discussed here, but will be covered by other advertisements in this series devoted to both prices and profits.

Speaking for our dealers and ourselves, we can assure you that no customer is more eager than we are to resume production. We are doing and shall continue to do everything in our power to bring about a fair settlement as soon as possible.

INTERNATIONAL HARVESTER

FAVORED ON FARMS
Everywhere
IN THE *Mid-West*

Ford Trucks have been farm favorites for more than a quarter of a century—not only among farmers in the Mid-West, but clear across the nation. And every man who seriously farms for profit knows why! Ford Trucks stand up! Ford Truck economy, reliability, simplicity and endurance make these great trucks ideal for toughest farm service. Ford service—with repair parts and "know-how" available wherever you go—is another unsurpassed Ford advantage. The new Ford Trucks now being delivered are the best in Ford history. Besides the many advantages which Ford Truck owners have enjoyed for years, there are 32 important new engineering advancements in chassis and engine. These are designed to make the new 1946 Ford Trucks—

MORE ECONOMICAL, MORE RELIABLE, MORE ENDURING THAN EVER!

Choice of 2 great engines—the 100 H.P. V-8 or the 90 H.P. Six—new aluminum alloy cam-ground pistons for oil economy—new steel-cored Silvaloy rod bearings, more enduring than ever—new improvements in cooling, ignition, carburetion, ease of servicing. Why not call on your friendly Ford Dealer first chance you get, and tell him you want all the facts? Ford Trucks move *fast*, because operators are eager to get them on the job. Get *your* order in!

FORD TRUCKS

MORE FORD TRUCKS ON THE ROAD • ON MORE JOBS • FOR MORE GOOD REASONS

Editorials

May Cut Heavy Hogs In July

ANY heavy hogs on your place? It looks now as if you could sell them before there is any drop in ceilings.

Apparently, Washington is backing away from the notion of an early cut on heavy hog ceilings.

Ceiling figure, $14.85 on good and choice butchers at Chicago, will apparently stay put until September 1.

After September 1 is another story. The present ruling deals only with support prices next winter. The way is open to have a much higher ceiling on light hogs than heavy hogs next fall.

But heavy hogs may take a loss before that, on July 1. If congress extends subsidies so that the packer subsidy of $1.70 per hundred may be continued, it would be possible to leave the packer subsidy on light hogs and take it off heavy hogs.

If demand was very strong, this might not make much difference. But chances are that heavy hogs would sell lower than light hogs, by about the amount of the subsidy.

This would affect sales in July and August. After August, the new ceiling regulations—whatever they turn out to be—would be in effect.

We doubt if many farmers want to feed hogs to heavy weights after the wet corn is cleared up. But if anybody feels like doing it, let him remember that he may take a cut in price after July 1, and a bigger cut after September 1.

Farm Boys In Draft This Summer?

IF YOUR boy is between 18 and 21 years old, he may be drafted for the armed services some time between May 15 and November 15 of this year.

The army is recommending a six-month extension of the draft, to get new troops to fill the places of some of those veterans who are being discharged.

Volunteering won't fill the gap, says the army. The draft will have to be extended.

In the long run, however, the peace-time army and navy must be made up of volunteers. Compulsory training, which would only train reservists, and which would not supply troops for regular duty, may not be adopted. Even if adopted, it wouldn't reduce the need for a big volunteer force.

The army's best argument for a short-time extension of the draft would be to show that vigorous plans are being laid to modernize the service. One thing that must be done is to get rid of the Prussian caste system, which draws a line between officers and men when off duty.

If General Eisenhower would tell the nation now what he has in mind for a modern peace-time service, with liberal pay, and with abolition of the caste system, it would be easier for most folks to agree to the six-month extension of the draft.

If the army is just putting off the evil day when it will have to get down to work and reorganize the service, many will be inclined to turn down draft extension.

Farm people will remember, of course, that there will be few, if any, deferments for farm work if the draft is extended to November 15.

Agree With Iowa Men On Beans

IOWA farmers, in a planning meeting some time ago, said the soybean price would have to be $2.04 per bushel if the state were to grow many soybeans.

Now the Department of Agriculture has come around to the same idea.

The soybean support price for next fall is $2.04.

That will make a good cash crop for many farmers. In some areas, beans will pay better than corn.

Incidentally, it means another good season for the soybean mills. Those co-op mills will have a chance to pay off the mortgage next winter before the soybean acreage really shrinks.

WET CORN

If you have good, dry corn on your place, don't feed it. Put it aside for later use.

If you have wet corn, find out how wet it is. Take a sample to the elevator.

Feed up the worst of the wet corn. Change the rest from one crib to another.

Spread it out. Give it a chance to dry. And do this now, before spring work and warm weather come.

Corn shortage is going to be serious in some areas this summer.

Take care of your own needs now. And fit your livestock to your feed supply.

One man sold his sows that were bred for March litters, and lined up more gilts for June pigs.

He figured he'd have pasture in June, oats in July, and could carry the pigs thru until new corn came in.

Watch your corn supply. Stretch your feed. And shift your livestock program to fit.

Heavy Tax For Land Speculators

FARM land prices are still going up. That makes it tough for veterans who want to buy. It makes it tough for renters who are forced to buy in order to get a farm to operate.

One good way to check the land boom is to change the law dealing with taxes on land sale profits.

Now if a man holds a farm more than six months and sells, he only has to add 50 per cent of the profit to his income when he figures his income tax.

If he holds less than six months, 100 per cent of the profit has to be counted.

Why shouldn't congress provide that all the profits—not half—from sale of farm land held less than two years be counted as taxable income?

That wouldn't hurt the farmer who wants to sell and retire. It would hurt the speculator who wants to grab a quick profit and run.

That's the fellow we want to hurt. Keep him out of the farm land picture and working farmers will have a better chance to buy.

Ruin the Farm, and Who Cares?

WHAT should be done if a farmer lets his land run down? Suppose he farms hillsides and makes gullies? Suppose he doesn't keep his buildings up?

In the United States, nobody pays much attention.

In Great Britain, things are different. The leading British farm organization wants the nation to take over farms if the landlord is inefficient.

The Conservative party approves—provided the owner really is doing a poor job.

The Liberal party agrees about taking over the land of "farm owners unwilling or unable" to farm the land well.

The Labor party says to put inefficient operators and owners on probation. If they don't do better, take over the land. Provision for appeal is suggested.

The state would pay for the land, of course. Just how good a landlord the state would be is yet to be determined.

But the British evidently think the state could do a better job than some of the landlords.

Some corn belt tenants might agree. And some corn belt landlords might sell out with relief and say:

"Let somebody else argue for a while with my cranky tenant."

Cost Is Fifteen War Days

WHAT do you know about the proposed loan to Britain? Here is what Henry Wallace says about it:

"The loan amounts to 3,750 million dollars, a big sum, but still only the equivalent of what it cost us to fight the war for a period of 15 days.

"Britain needs this money to get on her feet again. We are the only nation in a position to lend it to her.

"If she does not get this money from us, she will be forced to embark on a program of restrictive trade.

"The world, then, will quickly become divided into competitive blocs—the sterling bloc of Britain, the dollar bloc of the United States, and the Russian bloc.

"The fight for a people's peace can fail on this one issue alone."

Wet Corn For Heavy Hogs

YOU remember how Secretary of Agriculture Anderson threatened to cut the ceiling 50 cents on heavy hogs.

Some of the folks who visited with Anderson at Sioux City showed him big hogs and told him about the wet corn that was going into them.

"Ship too many light hogs, and you'll just have more corn to spoil," these farmers said.

Best chance to save feed is to put a bonus on light hogs. But let the big hogs come in without penalty until the wet corn has been fed up.

A farmer with nothing but good corn on hand won't want to feed his hogs past the 220-pound mark.

He can use that extra corn for the next pig crop.

Song of the Lazy Farmer

AS USUAL, neighbor's out of sorts, he rants and raves and paws and snorts; that bird is never at a loss for something bout which to be cross. I can remember 'way back when he'd grab some paper and a pen and write to almost any bloke to cry that he was nearly broke; oh, why on earth, he'd always ask, don't government take up the task of raisin' prices on our crops and help us sell some more pork chops? Then, later on, when that was done, and we began to see the sun of better prices and more cash, my neighbor broke out in a rash. The government, he shouted loud, is made up of a lame-brained crowd, they ought to leave us farmers be and let us run our business free.

Not long ago, poor neighbor wailed that any strikers should be jailed, he said it was our only hope to string the unions up with rope. But just today my grumblin' friend declared that he had reached the end of sellin' off his grain and hay while labor yelled for higher pay; so he decided to sit down and strike just like the boys in town. That guy is just plain ornery, he's happiest when he can be opposed to ev'ry thing and man, he's got the whole world on the pan. He even hates prosperity because it helps his bank, by gee!

Odds *and* Ends

IF YOU are milking cows, you will get a 17-cent (per pound of butterfat) feed subsidy in April, 10 cents in May and 10 cents in June.

WHAT happens after that depends upon congress. Most dairymen would trade the 10-cent June subsidy for a 10-cent raise in ceilings in July.

MOST of the tenants in New Zealand rent from the government. They have some landlord trouble, too, just like other tenants.

GOALS for corn production have been raised, but that makes very little difference to farmers. They were going to put in about as much corn as they could, anyway.

DUTCH farmers are up against it. Their big market used to be Germany. Now Germany can't buy.

LEASES of government land in Alberta, Canada, provide that no rent is due unless the yield exceeds a certain minimum, usually five bushels of wheat per acre.

CHESTER BOWLES says: "Price control has helped farmers. The prices they get have risen exactly as much as they rose in the last war—113 per cent. But the prices they pay have risen only 40 per cent in this war, as against 94 per cent last time."

MILK headed for the table cream market is worth 76 cents per pound of butterfat at Sioux City, Iowa, and $1.36 at Jacksonville, Fla.

FARMERS say they're going to buy 14 per cent fewer baby chicks than last year. Biggest cut is on Pacific coast.

MORE pullet chicks and not so many straight-run chicks are ordered. Not much money in broilers this year, but next fall's pullets still look good.

IF FEED gets much tighter, there will be a lot of chickens sold. The government may have more trouble holding up prices of poultry than holding up eggs.

IN THIS section, hens between 3½ and 4½ pounds are supposed to bring a maximum of 15½ cents a pound. Hens over 4½ pounds should bring 17 cents.

MEXICO claims her farm workers have not been treated right in Colorado, Minnesota, Illinois, Wisconsin and Indiana. Laborers bound for these states may not be permitted to cross the border this spring.

BIG European demand and shrinking feed have improved prospects for prices of farm products thruout 1946. But big harvests could change the picture fast.

SO COULD very thin harvests—the other way. Some folks figure it is about time for a dry, short-crop year. We would prefer that kind of a year (if it must come) in 1947.

ARE you ready for this spring's barnyard babies—ready to get them started right, keep them healthy, so they will be real profit producers? Check up, make your preparations now. Here are some helpful pointers:

SANITATION

Clean, scrub, disinfect farrowing houses and equipment. Locate houses on CLEAN ground if possible. Disinfect navel stump at birth, to avoid infection. If sickness appears, call a veterinarian.

Thoroughly clean, scrub and disinfect house and equipment. Place waterers and feeders on wire mesh and keep them clean. Don't permit older birds near brooder house. If trouble develops, call your poultry specialist.

HOUSING

Provide warm, dry, draftless farrowing quarters—clean bedding—artificial heat to prevent chilling—guard rails to prevent crushing.

Start only as many chicks as you have room for—250 to a 10 x 12 house. Have house warm and dry before chicks arrive. Provide adequate dry litter and ventilation.

FEEDING

The brood sow is feeding the unborn pigs before farrowing—give her good, balanced rations, for strong, husky litters, liberal milk flow. Two weeks AFTER farrowing, start feeding pigs a balanced, vitamin-fortified pig meal in creeps. Good feed means fast, early low-cost gains.

Feed a QUALITY starting mash to assure early health and growth—a mash properly balanced with proteins, minerals, fortified with vitamins. Chicks eat very little, but quality mash is all-important. Keep feeders ½ to ¾ full; keep waterers filled.

Follow these suggestions and assure yourself of larger profits this season

FEED INSTITUTE OF IOWA
830 Liberty Bldg. DES MOINES

Brood Sows (left) come when feed is offered. **Hog raisers say sows that are a little hungry will stay in moderate flesh and exercise more than when fed too much. The result is more pigs per litter.**

Big Litters Cut Cost of Pigs

Hog Raisers Tell Feeding and Farrowing Pen Methods

PIGS may cost you anywhere from $1.50 to $3 each in the farrowing pen. That's the difference in feed cost which may result from the sizes of litters. It figures out like this:

One brood sow will eat about six bushels of corn, eight bushels of oats, 40 pounds of protein feed, 60 pounds of alfalfa and four pounds of minerals, from breeding time to farrowing time. The value of these feeds now can be estimated, in round numbers, at $15.

If the sow saves five pigs, the feed cost is $3 each. Seven pigs will cost $2.14 each. With 10 pigs saved, the per-pig cost goes down to $1.50.

"But five pigs suckling one sow will grow lots faster than 10." That is what farmers sometimes say. It appears to be true in the first two weeks, but weaning weights compared at experiment stations don't prove it.

With litters of eight, nine and 10 pigs, the average weaning weight of pigs was 31.8 pounds at the Missouri experiment station. Pigs from litters of five, six and seven averaged 32.2 pounds at weaning. The advantage for the smaller litters was less than one-half pound per pig.

If big litters reduce the cost of raising hogs, how do we go about it to get big litters and keep them to weaning time?

Successful hog raisers regard three things as important: (1) Feeding the sow during gestation, (2) feeding her during the week before farrowing, and (3) care of sow and litter in the farrowing pen.

Farmers and experiment station men agree that sows should not get too fat while carrying their pigs. Pregnant sows also need exercise.

At the Purdue station, records were kept on 70 sows in medium condition and 73 sows in fat condition at farrowing time.

The 73 fat sows weaned an average of 5.47 pigs per litter. The 70 sows in medium condition weaned an average of 6.25 pigs per litter. The gain of about three-fourths of a pig per litter would reduce the cost of pigs in the farrowing pen by about 33 cents each.

Exercise increased the number of pigs weaned, too. Seventy-six sows receiving liberal exercise weaned 64 per cent of the pigs farrowed. Sixty-seven sows receiving limited exercise weaned only 59 per cent of the pigs farrowed.

Harold Elliott, Hamilton county, Iowa, hog raiser, keeps the sows in proper condition by hand-feeding corn and oats. The quantity is varied according to the condition of the sows. Protein feed and alfalfa meal, however, are kept before the sows at all times in a self-feeder.

Sows run out over the farm for exercise when the ground is in good shape.

This system has worked well for Elliott. Last year, 38 sows farrowed 348 pigs for him. At market weight, there were still 313 pigs, an average of 8.2 per sow. This record brought Elliott recognition as a Master Swine Producer.

Paul Thul, Wright county, Iowa, hog raiser, varies Elliott's feeding method a little. For the self-feeder, he mixes oats, alfalfa meal, protein feed and mineral. Then he hand-feeds corn and buttermilk feed.

"Buttermilk does not fatten; it makes them grow," Thul says. With this ration, he uses various methods to get the sows to exercise in the fields.

Some hog raisers full-feed sows while they're carrying their pigs, however, with good results. Some experiments also prove that full-feeding works well.

The usual method is to feed about one-third each of ground oats, alfalfa meal and corn. Some mix the protein mineral with the feed and some feed it separately, either by hand or in self-feeders.

If the sows start to get too fat with the self-feeding method, the corn percentage is decreased and more bulky feeds added. If the sows are too thin, or fail to gain at least one pound per day, the corn percentage is stepped up to increase gains.

It is not considered advisable to change from hand-feeding to full-feeding during the latter part of the gestation period.

The chance to raise and save big litters can be lost as farrowing time approaches. A survey of Master Swine Producers in Iowa indicates special treatment for sows during the last week before farrowing.

This is the time to put even more bulk in the ration, to replace some of the corn and high protein feed. Many hog raisers use oats; some use bran for its laxative effect.

Feed changes, however, should be gradual. It is a terrific shock to the sow's system to be suddenly shut up in a pen, maybe for a week, and then farrow a litter of pigs. Sometimes the sow goes off feed and as a result fails to raise the litter.

Easy feed changes lessen shock and save pigs. Change slowly from the regular rotation during gestation to a more bulky ration. Then, after the pigs come, change gradually back to a heavy ration of grain, protein and minerals.

There's still a chance to save pigs after the sow's time is up and the farrowing pen is ready.

"Now's the time to make friends with the sows," says Bernard Collins, of Wright county. He walks thru the pens, scratching and talking to the sows. This makes them less nervous and much less likely to get up and charge around the pen when the first pig squeals.

When milk is found in the sow's teats, Collins shuts her up in a house cleaned with boiling lye water. Pigs, as they come, are dried, ear-marked and started to feeding.

Pens in the Collins house are bedded with crushed cobs. "They can't roll them up," he says. They also keep the pens dry for a considerable time.

Electric brooders are part of the equipment on both the Collins and Thul farms. They save pigs in two ways: The heat prevents chilling in the first day or two. Pigs soon learn to stay under the brooder, where they are less likely to be stepped on by the sow.

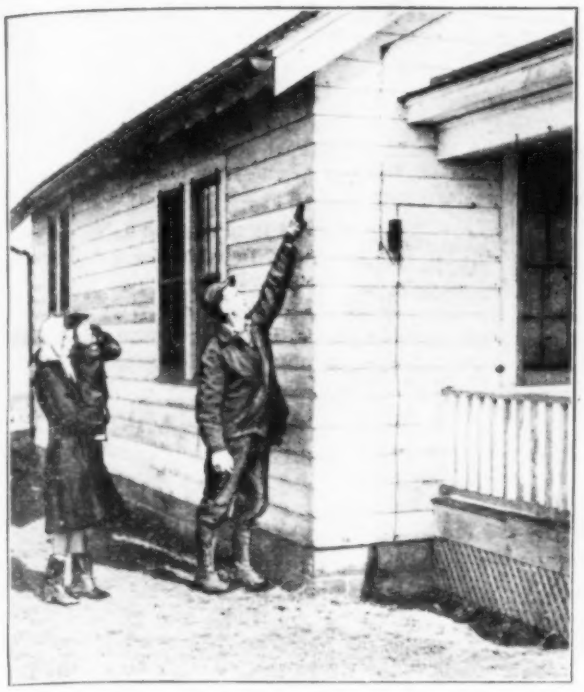
An electric brooder can be made on the farm with a few boards, an electric light bulb and an old funnel for a heat reflector. Detailed plans for electric brooders can be secured from county extension directors.

Guard rails in farrowing pens will save pigs, especially if there is no electric brooder to protect the pigs. Rails should be entirely around the pen. Planks 2x8 inches are usually fastened eight inches above the floor.

The pig that gets out of the farrowing pen safely is still a long way from raised. But he at least has a chance to fight disease and accident. An extra pig per litter at weaning time means a lot in hog profits.

Ground Alfalfa mixed with the protein **and minerals provides bulk in the brood sow ration for Paul Thul, Wright county, Iowa. He adds buttermilk feed because it "does not fatten . . . makes them grow."**

Return Home After the Flood



Water Level

Mason Strawhacker and his wife and child come back to their flooded farm in Des Moines county, Iowa. He points to the high-water mark on the side of their house.

Drowned Hogs

This hog drowned when the flood came. And so did 26 others. Strawhacker is probably thinking what this pig would have been worth if it could have gone to market.

Wet Corn The river came up to this point in the corn crib.

In Kitchen Mrs. Strawhacker finds her kitchen cabinet is collapsing.

High Water Another high-water mark, in the bedroom this time.

Frozen Fruit These jars of canned food are frozen and cracked.

Top Corn Is Good Strawhacker examines his crib, and finds that the corn which is above the five-foot line is still in good condition. But the corn below the water line must be fed or sold before warm weather comes.

Makes 25 Bushels More Oats Per Acre

Fertilizer Gives Results In Iowa Tests; Nitrogen Most Important Element

HELPS SEEDING

Clover and alfalfa, as well as oats, are helped by applications of fertilizer. On the farm of Gerald Richards, in Emmet county, Iowa, the following results were obtained:

After applying 300 pounds of 0-20-0 with the oats in 1944, the yield was 49.8 bushels, compared with 39 on the check plot.

In 1945, alfalfa on the same field yielded 2.18 tons where the fertilizer was applied. The check plot yielded nine-tenths of a ton.

Phosphate alone does not produce so large an increase on some soils. The average of the tests, which were supervised by Iowa State College agronomists, showed smaller crop increases.

OATS respond to fertilizer more than any other grain crop—that's what experiments in 1945 seem to show. Iowa State College ran tests on 22 Iowa farms in all soil types.

Most surprising of all, nitrogen applications seem to be what oats need. Phosphate and potash gave increased yields in some sections of the state. But nitrogen gave results on all soils.

Biggest increase in yields, over 25 bushels per acre, was with nitrogen combined with both phosphate and potash.

Seven fertilizer elements or combinations were used on each of the 22 fields in the 1945 experiments. They were: (1) Nitrogen alone, (2) phosphate alone, (3) potash alone, (4) phosphate and potash, (5) nitrogen and phosphate, (6) nitrogen and potash, (7) nitrogen, phosphate and potash.

The quantity applied per acre was 40 pounds of nitrogen (equivalent to 200 pounds of 20-0-0), 40 pounds of phosphate (200 pounds of 0-20-0) and 20 pounds of potash (200 pounds of 0-0-10).

The fertilizers were broadcast and disked in before the oats were seeded. Each field had an untreated check plot for comparisons.

Nitrogen alone increased oat yields 15.7 bushels per acre as an average for all areas of the state. Phosphate alone increased yields by three bushels per acre; potash alone, one-half bushel increase.

The phosphate-potash combination did very little better than phosphate alone. But in all combinations with nitrogen, big oat yield increases resulted.

Nitrogen-potash increased the yield 18.6 bushels over the untreated oat plot. Along with nitrogen, the potash application seemed to increase the yield about three bushels over nitrogen alone.

The nitrogen-phosphate combination increased the yield 24.4 bushels per acre. And the nitrogen-phosphate-potash, a complete fertilizer, increased the yield over untreated land 25.4 bushels.

Oats respond to fertilizer more in some soils of Iowa than in others, however. Nitrogen helped in all soils, altho not in exactly the same degree. Phosphate is needed by oats in some areas, and in others it apparently does little good. This is even more true of potash.

For the various sections of Iowa, the results of the experiments seem to indicate fertilizer needs for oats as follows:

Nitrogen and Phosphate — The Carrington soils of northeast Iowa and the Clarion soils (upland) of central and northern Iowa.

Nitrogen and Potash—Webster soils of central and northern Iowa.

Nitrogen, Phosphate and Potash —The Grundy-Haig soils of southern Iowa and the eroded Knox soils of western Iowa.

Nitrogen Alone — The Marshall soils, which cover much of the counties in the three western tiers of Iowa.

For each farm within these areas, the question of fertilizer or no fertilizer will have to be answered for each field.

The application of nitrogen on a field that has been heavily manured would give doubtful results. The oats might lodge. The same is true where only one crop of corn has been grown on naturally good land after legume sod.

This oats and fertilizer experiment leaves little room to question as to whether fertilizer will step up oat yields. The 1945 tests confirmed results of 1944 tests on a smaller scale. But they bring some other questions to farmers' minds.

What will it cost to fertilize the oat fields as recommended? Will it actually show a profit?

The cost per acre was computed for the 1944 tests at ceiling prices for fertilizer that year. As reported by Iowa State College, they were as follows:

Nitrogen, 40 pounds, will cost $4.72; phosphate, 40 pounds, will cost $3.12; potash, 20 pounds, will cost $1.92. The total cost per acre if all three were used would be $9.76.

Some of the other combinations of fertilizer produced additional oats at less cost than the use of all three fertilizers, however. And all three are not needed on some soils. Smaller applications of nitrogen give results on many soils.

There will be some residual benefit from the fertilizer application. On the Gerald Richards farm in Emmet county, Iowa, the legume crop one year later was increased from .9 ton to 2.1 tons per acre.

If it is decided to use fertilizer, in what form should it be used?

Agronomists at Iowa State College, who made the experiment and reported it, recommend:

On fields where nitrogen and phosphate or potash are needed, 20 or 30 pounds per acre of nitrogen should be used. The nitrogen may be supplied by using 100 to 150 pounds per acre of ammonium sulphate, 75 to 100 pounds per acre of ammonium nitrate, or 100 to 150 pounds per acre of cyanamid.

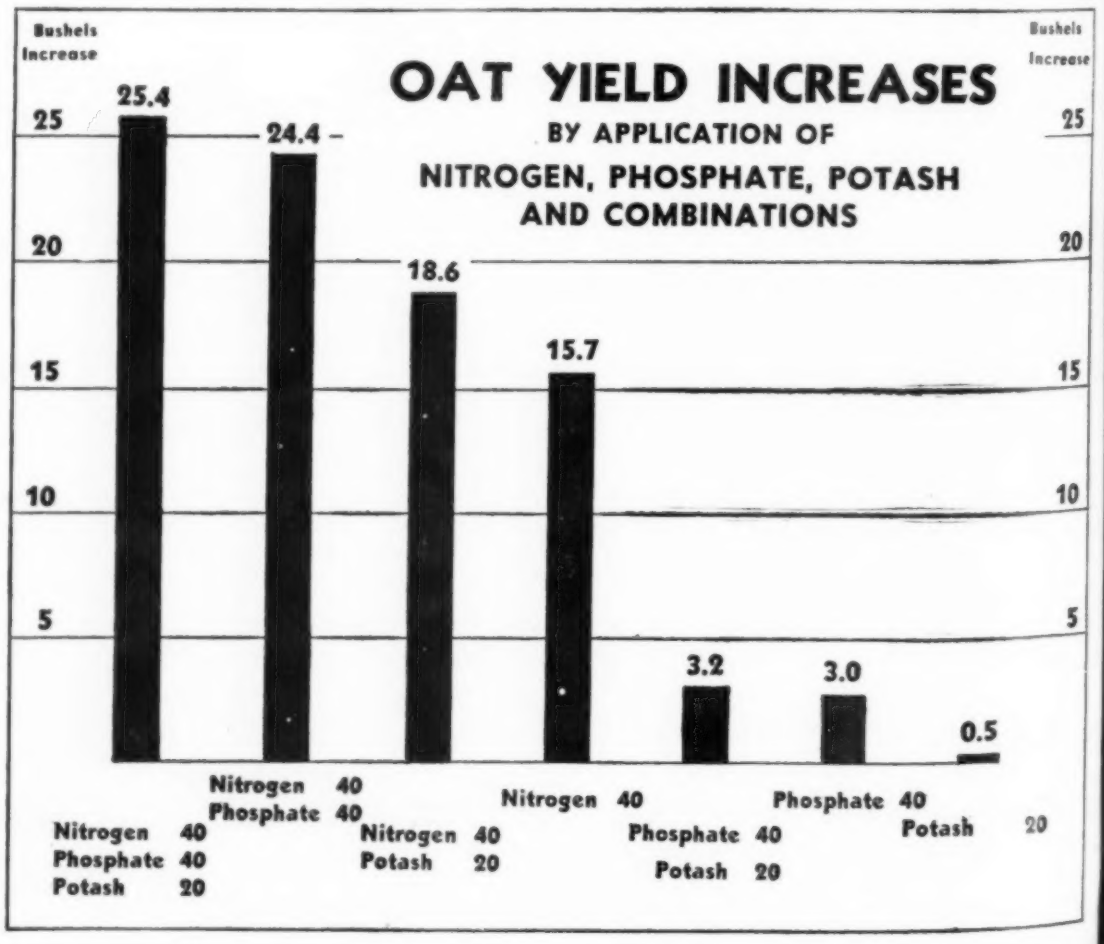
Phosphate and potash may be supplied by applications of 200 pounds per acre of 0-20-0, 0-20-10 or 0-20-20 on oats and clover.

For oats and alfalfa seedings, 300 pounds of the phosphate or phosphate-potash fertilizers should be applied. Fertilizer mixtures—such as 10-20-0, 6-12-6 or 6-12-12—can be used to advantage.

How can we apply fertilizer to oats and keep them from falling over and perhaps killing out the legume seedings?

By using fertilizer in connection with the new types of oats. Fertilizer on oats goes along with the stiff straw of the new oats, which will resist disease and lodging.

Tests have proved that Clinton oats, when generally available, will give farmers a better rich land oats than Boone, Marion, Tama or Control. The latter oats, however, are far better than Iowa 105 and Gopher.

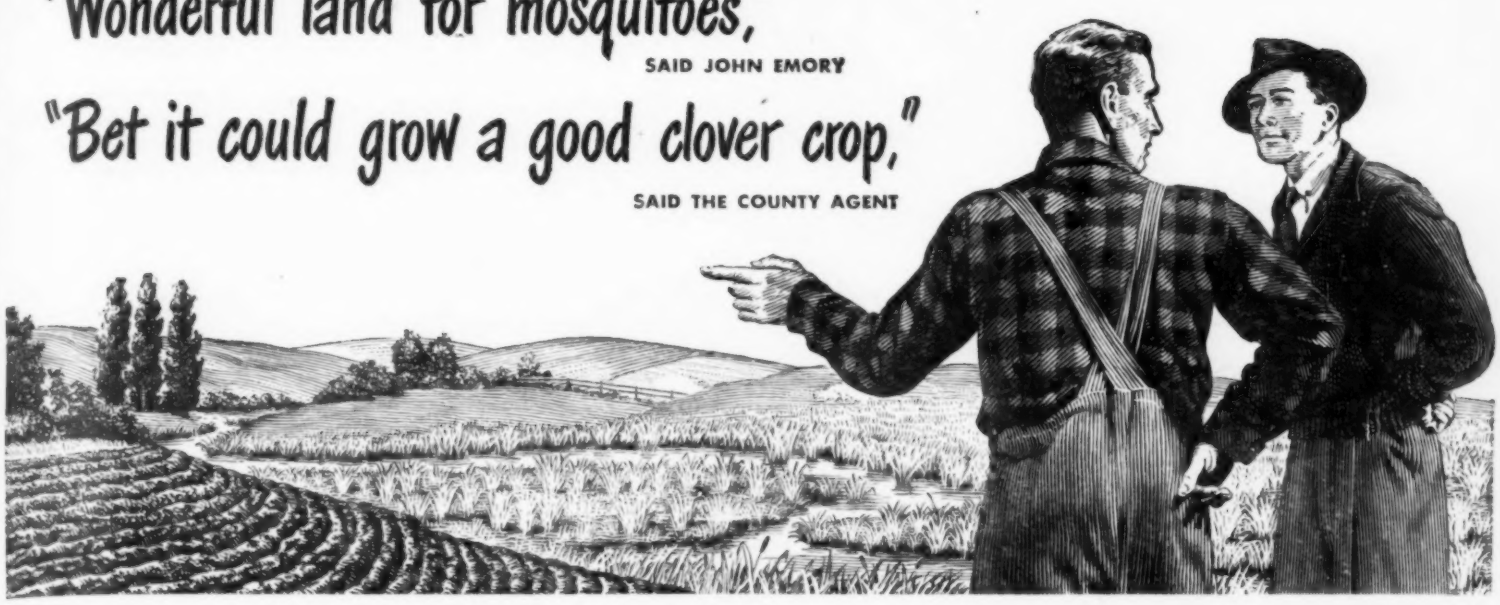


"Wonderful land for mosquitoes,"

SAID JOHN EMORY

"Bet it could grow a good clover crop,"

SAID THE COUNTY AGENT



• The boggy field he had down by the brook always bothered John Emory.

It was good black land, about five acres of it. But it was always too wet to grow anything.

John had ideas about draining it, and one time he got as far as staking out the ditches. When he figured the cost, though, he decided he could buy five acres of good land for less money.

Much as he hated to see good land go to waste, John Emory had about given up the drainage idea when he talked with the County Agent last spring.

"It's good land," the County Agent said. "And I believe you can dry it up a lot cheaper than you think. Let's try to dig your ditches with dynamite."

John looked puzzled. Then the County Agent told about a demonstration of ditch digging with dynamite he'd seen at State College. Said it cost a lot less.

"Suppose I bring out a few sticks of dynamite," the County Agent said, "and we'll try blasting a short ditch to see how it works on this land."

The next week the County Agent came out with the dynamite. He and John cut a sapling which was about as big around as a stick of dynamite and used it to make a row of holes in John's boggy patch, along the line of the first ditch and 18 inches apart.

They put a stick of dynamite into each hole and rigged up one in the middle of the row with a cap and fuse. After tamping down the wet soil over each stick, the County Agent lit the fuse and he and John dropped over the bank of the brook.

The row of dynamite sticks went off. And the explosion left a ditch almost as clean as one John could have dug by hand.

John Emory finished his ditches, with $30 worth of dynamite. His boggy field was dry enough to plow at planting time. So he limed it and sowed clover.

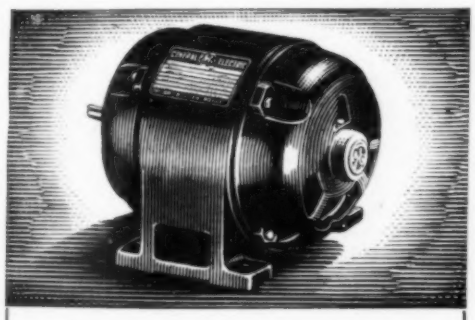
The next time the County Agent came around John Emory's brook-side clover field was in full blossom.

"It's a mighty pretty clover field, even if you did have to use some powerful stuff to get it going," said the County Agent.

"Advice from the County Agent is *always* powerful stuff for farmers," John Emory replied.

All over the country, farmers are getting help from their County Agents that makes farming *better* and *easier*.

Another thing that good farmers are doing to farm better and easier is to make full use of electricity.



G-E TRI-CLAD* MOTORS ARE BUILT FOR HARD FARM JOBS

Tri-Clad means—

Extra Protection against Physical Damage—One-piece, cast-iron frames, and cast-iron end shield guard vital parts, keep them safe.

Extra Protection against Electrical Breakdown—Windings are of Formex* wire, the toughest magnet wire ever made. It resists moisture, abrasion, and heat aging.

Extra Protection against Wear and Tear—Sleeve bearings are made to supply a continuous oil film over entire bearing surface. Ball-bearing mounting assures correct alignment, keeps out dirt.

G-E Tri-Clad motors are ready to go at the flick of a switch. And there's a G-E motor for any farm job.

Right now they're scarce, but we hope soon to supply G-E Tri-Clad motors to all who need them—including farm machinery manufacturers and farmers. Look for the G-E Monogram when you buy a motor or motor-driven appliance or machine. *Farm Industry Division, General Electric Co., Schenectady 5, N. Y.*

*Trade-mark reg. U. S. Pat. Off.

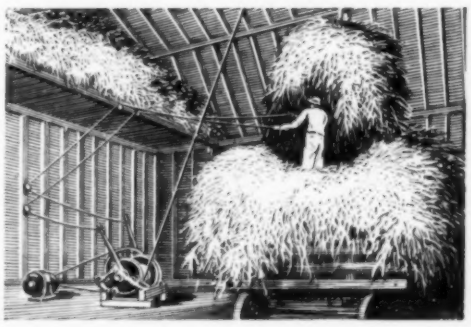
The Modern Farm is an Electric Farm!

Electricity on the farm can make life more pleasant and work easier.

If you don't have electricity, get in touch with the electric service supplier in your area.

If you already have electricity, get your full value out of it by making it do more jobs for you.

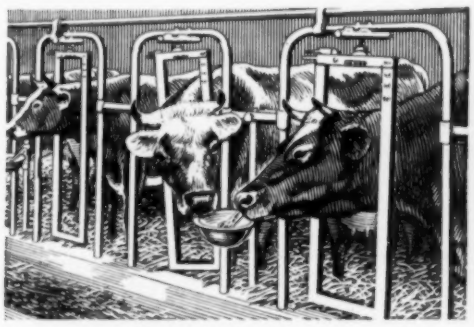
To help build up modern farms electrically continues to be the full-time job of a staff of farm specialists in the G-E Farm Industry Division.



You pitch hay the easy way with a hay hoist powered by an electric motor.

Flick a switch, and one man and a motor do the work of three men in less time and with less effort.

Get your hay hoist now so you'll have it to help you next haying season. And, when you buy it, make sure your hay hoist is powered by a G-E motor, the motor that's made to handle the hardest farm jobs.



Running water in the barn soon pays for itself in increased milk or meat production. And you don't have to pump water for stock or let them out to drink. They get water automatically, right in the barn!

When you buy your water system, make sure it's big enough for all your needs. Specify a G-E motor and G-E control. G-E motors and controls are dependable and give you long life and attention-free service.

MORE POWER TO THE AMERICAN FARMER

GENERAL ELECTRIC

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CROW'S 607

Single Cross

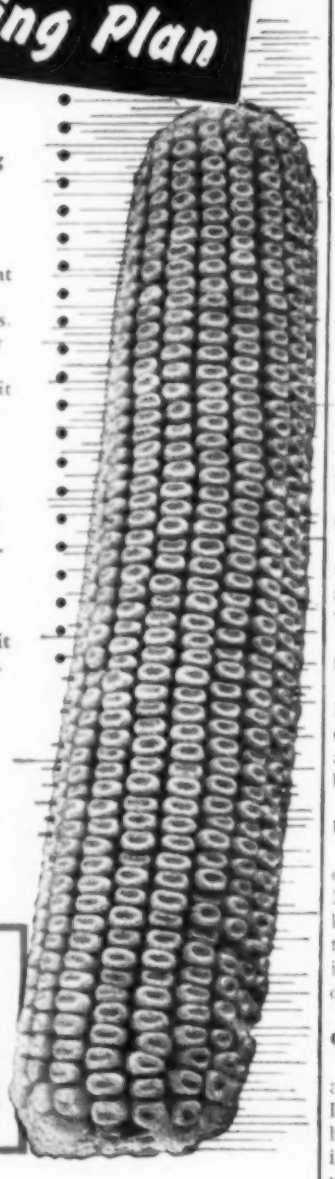
Send for 1947 Profit Sharing Plan

Here's extra profit corn. Seed for this corn is sold on a profit sharing plan that saves money on your reservation order. By ordering EARLY—before the usual buying season you reduce your seed cost and insure getting the seed you want to plant next year. Mail a postal—or the coupon today for full details.

No other hybrid produces money making corn like CROW'S 607 Single Cross. Being a single cross, it has more vigor, stamina, capacity to grow. It averages more bushels per acre. It matures higher quality feed. It withstands dry weather better—resists damage from insects and diseases—stands up. Its beauty in the field commands admiration—its yield at harvest surprises everybody.

Sales of seed for this corn have broken all records. Farmers order it year after year—with larger orders. NOW is the time to place a reservation order for YOUR 1947 requirements. Send for CROW'S FREE Catalog and full details of this offer.

CROW'S Hybrid Corn Co.
Dept. W. F., Milford, Illinois
World's Largest Producers of Single Cross Seed Corn



CROW'S Hybrid Corn Co., Dept. W. F., Milford, Ill.
Send FREE Catalog. CROW'S HYBRIDS.

Name.....

Address.....

I Plan to Plant.....Acres in 1947.
☐ Check here if you would like to sell our seed corn in your community.

Workday Pointers

Helpful Suggestions for Farmers

EARLY SPRING plowing makes preparation of seed-beds much easier.

▲ ▲ ▲

EXPLOSION and fire may result if oil brooders are relighted while hot.

▲ ▲ ▲

SET THE STOVE in the brooder house and run it a few days before the chicks arrive.

▲ ▲ ▲

TRACTOR SEAT cushions have been made by sewing an old inner tube into an old burlap sack and then inflating as desired.

▲ ▲ ▲

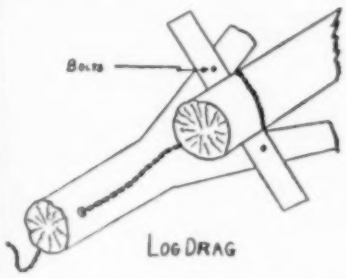
A TON OF MANURE is worth $3 at pre-war prices for crops, or $5 at war-time prices, according to the Illinois experiment station.

▲ ▲ ▲

MOLDY CORN can cause big losses in chicks. Carefully select the corn that is to be ground for poultry. Old corn is safest if you have it.

▲ ▲ ▲

MOVING hog houses, hen houses, feed bunks and feeders can be made easier by using a log drag. Get a heavy forked log six or eight feet long and bolt a crossbar on it near the crotch, as shown in the illustration. Put one end of the building over the crossbar and



hitch the tractor to the other end with a log chain. Some kind of skids may be necessary to protect the end of the building that drags on the ground. The log drag can also be used to move trees or heavy timbers.

▲ ▲ ▲

CORN-ROOT WORMS make their heaviest attacks on second and third-year corn. Plan your crops so fields will not be in corn more than two years without change.

▲ ▲ ▲

SPRING HAULING of manure is good practice when the ground is firm. When the manure spreader leaves ruts in soft fields, there are benefits and disadvantages to be balanced against each other.

▲ ▲ ▲

PREGNANCY DISEASE in ewes may be brought on by any sudden change in the routine, says M. H. McDonald, of the North Dakota Agricultural College. Shutting ewes up for several days during bad weather is particularly dangerous.

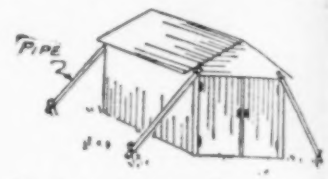
▲ ▲ ▲

OLD GARDEN HOSE can be used to protect sharp saw teeth. Cut a piece of the rubber hose the length of your saw. Then slit the hose lengthwise on one side. Slip it over the saw teeth when not in use. It will protect both the teeth and other articles with which they might come in contact.

NORTHERN GROWN seed potatoes increase yields, especially in the southern corn belt. Most farmers say it pays to get new certified seed every year.

▲ ▲ ▲

SMALL BUILDINGS are anchored with old well pipe on one Nebraska farm. One piece of pipe is driven in the ground four or five feet. Another section is cut to reach from the pipe in the ground to the eaves of the building. Attached with bolts, these braces are



effective, but easily removed. Some farmers use "dead men" to protect narrow corn cribs, steel bins and other small buildings from wind. A post is buried in the ground and No. 9 wire extends from the anchor to the building.

▲ ▲ ▲

HAUL AND SPREAD manure from outside piles first. Manure packed in cattle sheds or barns will keep its plant food fairly well for a considerable length of time.

▲ ▲ ▲

ORGANIC MATTER for your soil can't be bought in a sack. You must get it thru spreading manure or plowing under plant growth. Fertilizer may add to organic matter by stimulating plant growth, however.

▲ ▲ ▲

TO CHECK DITCHES, sow Reed's canary grass. It grows on wet or dry land, stands silting well and makes a heavy sod. Sow it in the spring along and in the ditches, or sow a small patch on good, rich land. After you get a start of the grass, roots can be transplanted to start the grass in waterways.

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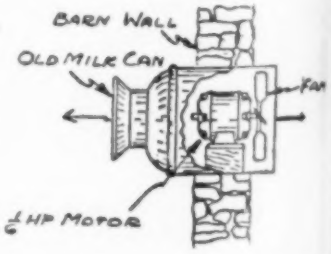
OLD MILK CANS and an electric motor can be used to make ventilators for barn, hog house or hen house. Cut out the bottom and insert the can in the wall with the bottom or large end to the out-



side. Mount the motor and fan inside the can so they will pull the air out of the building. When the fan is shut off, replace the lid on the old can, to prevent cold air from coming in.

▲ ▲ ▲

THRESHED CLOVER or soybean straws hauled to the feed-yards have three values: (1) They make good bedding; (2) they absorb liquid manure that might be lost, and (3) they have a high nitrogen content and add greatly to the value of the manure when rotted.

STANDARD RED CROWN GASOLINE

Stepped up for better all 'round performance

You bet she starts easy. Starts easy and warms up fast, too. Standard Red Crown Gasoline's been stepped up with Aviation Gas ingredients formerly reserved for military use only. Stepped up for better all 'round performance.

There's more flexibility in Red Crown. You'll quickly feel it when you open the throttle and apply the load. She won't stall when you increase the load and the going gets tough. No sir! Better handling in the way your tractor works in the field. Easier to maneuver, too. In fact, you'll get every ounce of power out of your tractor the manufacturer built into it.

Start with your first fill of Red Crown to get these advantages. Start saving with Standard—and look to your Standard Oil Man to supply you with this great stepped-up tractor fuel next time he calls.

STANDARD POWER FUEL
4 to 1 Choice for 2-Fuel Tractors

Now an overwhelming favorite. Standard Power Fuel is the choice of Midwest 2-fuel tractor owners by a margin of 4 to 1 over any other brand of volatile distillate. They get good starting under normal conditions, fast warm-up, smooth idling and full power. A real money-saver.

STANDARD SERVICE

STANDARD OIL COMPANY

These are the Tell-Tale Signs of

Hidden Hunger

Proof that your Livestock need

Salt Free Choice

What is Hidden Hunger

Hidden hunger is a maddening desire for certain essential elements not ordinarily supplied in feed. As a result, livestock eat excessively, fail to make satisfactory gains, waste protein. Rough hides, low milk production, thin fleece, excessive rooting, unsatisfactory gains in weight are all signs of it.

Hidden Hunger is often directly due to lack of salt.

SALT is the most essential of all minerals. It stimulates the appetite, aids digestion, increases feed assimilation, cuts feeding costs. Very specifically it is needed to digest protein.

Your livestock can't tell you if they're hungry for salt no matter how much you feed them otherwise. But they'll show it in terms of excessive rooting, and gnawing . . . thin fleece and stary hides . . . in lowered milk production.

On a dry matter basis roughly one third of the weight of the animal body is protein. The same is true of milk. Wool, hair, feathers are practically pure protein. And unless your animals are assimilating the protein you feed them they can't convert it into meat, milk or wool.

How your animals utilize this essential protein depends largely upon the amount of salt. Salt supplies chloride for hydrochloric acid without which proteins are not digested but wasted.

Salt also supplies sodium needed in bile for the digestion of fats. There is hardly a single vital process that is not in some way dependent upon salt.

Animals differ in their salt requirements. Some need more than others. Free Choice feeding is the only way to be perfectly sure that your animals are getting all the salt they want and need.

So to save protein, to cut your feeding costs, establish salt stations around the farm and feed Morton's Free Choice Salt.

Actual Tests at PURDUE UNIVERSITY Prove the Value of Salt Free Choice

In a hog feeding experiment at Purdue University, each pound of salt saved 214 pounds of corn, costing $1.12 a bushel; 46 pounds of protein supplement, costing $61.20 a ton; and 27 pounds of minerals costing 2.5 cents a pound. In short, the feed saved by a single pound of salt was worth $6.37. Make sure you feed enough salt by feeding Morton's Free Choice Salt.

Send for FREE Booklet

This 40-page book, shows why salt helps livestock make faster gains . . . shows how best to feed salt to beef cattle, dairy cows, hogs, sheep, horses . . . gives plans for salt feeders. Every livestock owner needs a copy. Write today. Mailed FREE. Morton Salt Co., 310 S. Michigan Ave., Chicago 4, Ill.

MORTON SALT COMPANY
CHICAGO 4, ILLINOIS

Moving Day Neighbors help a Boone county, Iowa, farm family move in early March. Here they are boosting a bureau from a truck onto the porch roof.

INSIDE STUFF

SOMEBODY, somewhere, is always worrying about the corn crop. They've had a spell of dry weather in Argentina and the corn isn't keeping well in Iowa.

▲▲

ARGENTINA, you remember, has seasons just opposite ours. Arthur T. Thompson, formerly of our editorial staff, now a U. S. agricultural attache at Buenos Aires, writes:

▲▲

"**SOME FIELDS** were badly hurt during the hot, dry weather a month ago. Recent rainfall has revived some corn, but many ears aren't fully developed."

▲▲

SOUNDS LIKE our August worries, doesn't it? They have grasshoppers in Argentina, too. Art goes on:

▲▲

"**THE HOPPER** here is bigger than ours and is most destructive in the stage before it can fly. Farmers take steel sheets about 20 inches high and set them along the fence row.

▲▲

"AT INTERVALS of about 15 rods, they build a pen about 12 feet square, with the sheets slanting inward. The hoppers crawl into these pens by the thousands as they search for an opening.

▲▲

"**THEN COMES** a man with a flame-thrower. We saw places where hoppers were piled a foot deep outside the pens. The smell was like roasted soybeans."

▲▲

AT A TENURE conference in Chicago, there was an argument about notification of termination of lease. I bragged about the Iowa law, which says notice must be given by November 1, but added that most farmers preferred a date of September 1.

▲▲

SOME FOLKS said that a landlord should be allowed to sell the farm and give possession at any time, but that some penalty should be paid when the tenant was badly inconvenienced.

▲▲

UP ROSE Michel Cepede, the bearded French delegate (he had breakfast in Paris one morning and lunch in Chicago the next day) to declare:

▲▲

"**WE HAVE** no lease under nine years. And the landlord must give 18 months' notice of the termination of the lease. The only exception is that if the tenant dies, and the older boy is not yet 16, a nine-month notice is permitted."

▲▲

FARM WOMEN in The Netherlands run the farm cheese factories, so L. A. H. Peters (a Dutch visitor) reported. When the wife isn't well, and the farmer makes the cheese, the quality goes down.

▲▲

"**A GOOD CHEESE** grader," said Peters, "can tell how soon the next baby is coming just by tasting the cheese. If the wife is near her time, and isn't making the cheese, the grade drops."

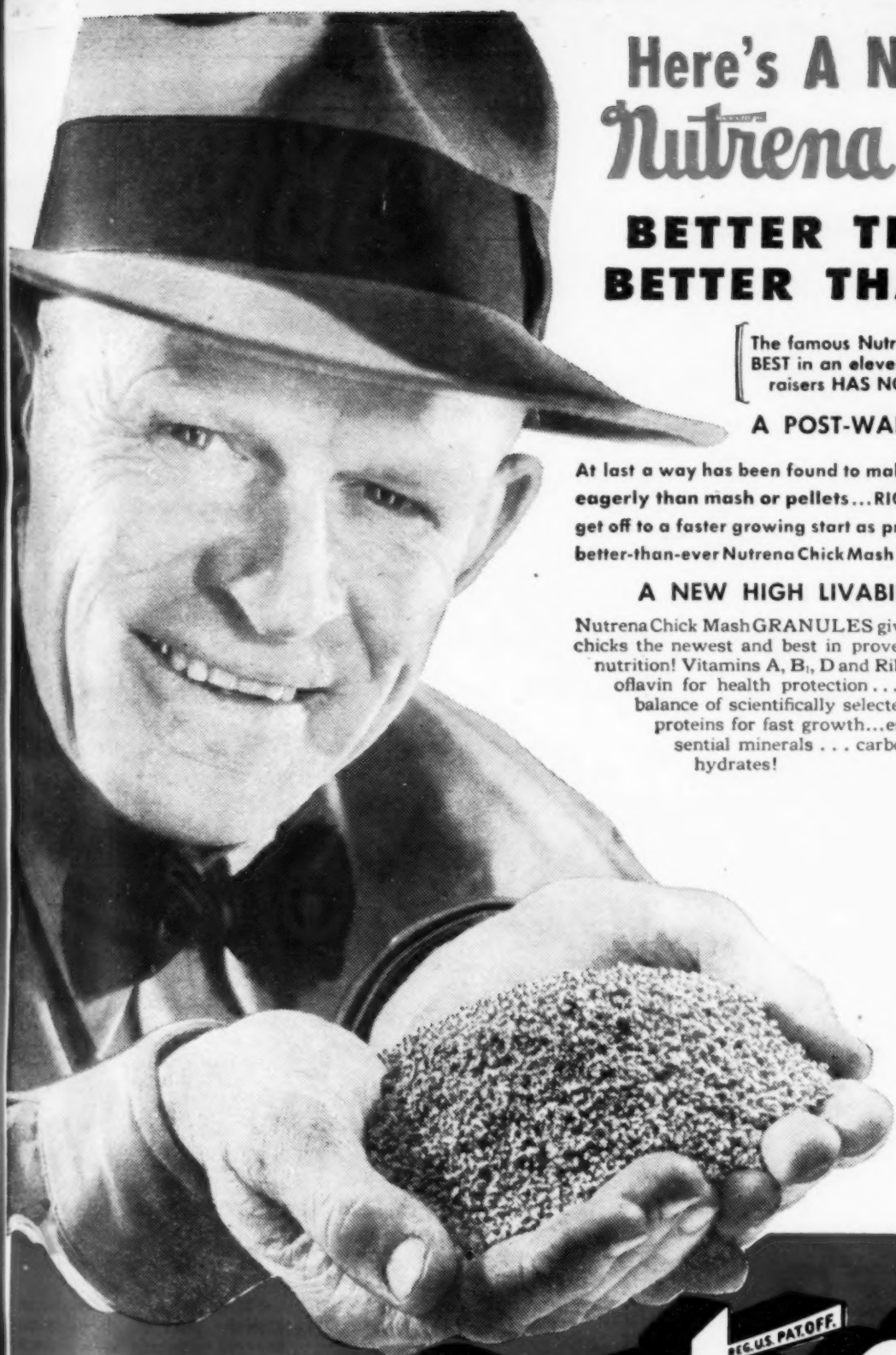
▲▲

BUT HOW does the grader tell whether the wife is going to have a baby or is just away visiting her sister at The Hague?

▲▲

TWO ROBINS arrived last week at our place. But we old-timers feel sure there will be another cold spell before spring is really here.

DONALD R. MURPHY.



Here's A NEW FORM OF Nutrena CHICK MASH

BETTER THAN MASH! BETTER THAN PELLETS!

The famous Nutreña Chick Mash VOTED BEST in an eleven state survey of poultry raisers HAS NOW BEEN IMPROVED!

A POST-WAR ACHIEVEMENT!

At last a way has been found to make a new form of feed that chicks eat more eagerly than mash or pellets... RIGHT FROM THE START! The result is—chicks get off to a faster growing start as proved on Nutrena's Proving Farms! This better-than-ever Nutrena Chick Mash is called Nutrena Chick Mash GRANULES!

A NEW HIGH LIVABILITY, FAST GROWTH FEED

Nutrena Chick Mash GRANULES give chicks the newest and best in proved nutrition! Vitamins A, B_1, D and Riboflavin for health protection . . . a balance of scientifically selected proteins for fast growth...essential minerals . . . carbohydrates!

Here are the advantages of Nutrena Chick Mash GRANULES:

FASTER EATING START. Just-started chicks have full crops the first night! They're building resistance to diseases right from the start.

FULLY CONTROLLED DIET. Chicks get **all** the nutrition they need in foolproof form. They can't "pick and choose"!

CUTS WASTE. Your chicks can't bill GRANULES out of feeders as easily as mash. They don't carry feed on their beaks to the waterer. No "blow-around".

EASY, SIMPLE TO FEED. You simply keep the feeders well filled! Nothing to get out of balance. Clean. Dust-free.

Your Nutrena Dealer expects a huge demand for this new feed. See him at once. Arrange for **your** chick-starting feeds! That's the way to Be Sure! Be Safe! Be Thrifty!

Only 2 handfuls of Nutrena Chick Mash GRANULES feed a baby chick 2 weeks! All the food value is there in easy-to-digest form for LIFE, and FAST GROWTH of husky, meaty broilers and pert, thrifty pullets!

THE CHICK MASH VOTED BEST 2 to 1!

•

THE CHICK MASH WITH A 94% LIVABILITY RECORD

•

NOW IMPROVED!

•

BETTER THAN EVER!

REG. U.S. PAT. OFF.

Nutrena CHICK MASH GRANULES

*Special survey made by Robt. S. Conlon & Associates.

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IT'S Colorado CALLING

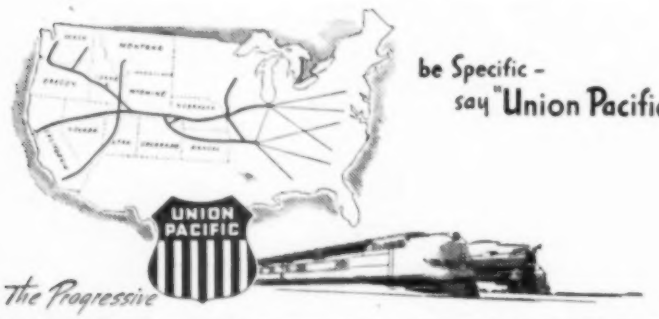
"As soon as summer arrives—and with rail travel conditions greatly improved—we'll be looking for you."

Yes, it's Colorado calling . . . the Colorado of mighty mountains and singing streams . . . invigorating sun-warmed days and restful blanket nights.

When you go, there's the swift Union Pacific Streamliner "City of Denver"—overnight, everynight, between Chicago and Denver; also fine train service from other points east and west of Denver. Your journey by rail will be the high spot of your vacation or business trip.

Remember that Union Pacific also serves California, the Pacific Northwest, and a number of famous National Parks such as Yellowstone; more western scenic regions, in fact, than any other railroad. It's the world's greatest vacation travel bargain.

For unexcelled rail service, to or from the West, go Union Pacific.



The Progressive
UNION PACIFIC RAILROAD
ROAD OF THE Streamliners AND THE Challengers

Pig Feed after May is threatened by high moisture content of corn in cribs. These pigs are on a Dallas county, Iowa, farm.

Find Corn With 30 Per Cent Water

Testing Cribbed Corn for Moisture Is This Week's Job; Dangerous Above 20 Per Cent

LOTS of corn in corn belt cribs is wet. Much of it will spoil if something isn't done about it at once.

With feed scarce already, this is a poor time to let corn go bad.

How wet is Iowa corn? The answer comes from tests of Hardin and Wright county cribs. C. K. Shedd, of the United States Department of Agriculture, made the tests in January and February. Shedd is stationed at Ames.

Test corn was taken from 44 cribs on 34 farms. Some corn had 30 per cent moisture.

Shedd found that corn in the center of the cribs is wetter than on the sides. In cribs standing north and south, the corn on the east side is wetter than the corn on the west side.

Moisture content was as much as 6 per cent higher on the east side of the cribs. The average was about 3 per cent wetter than in the middle of the crib.

This suggests that farmers should get to the center of the crib to find out if the corn is dry enough to keep.

How wet is too wet? Iowa State College men say you can't be sure. They think 20 per cent is about the most moisture corn can have and be safe.

Corn with more than 20 per cent moisture will spoil unless spring weather is extra dry, the college men say.

If your corn has more than 20 per cent moisture, you can do one of three things:

1. You can have it artificially dried.

2. You can move the corn to another crib on the farm and install ventilators if necessary.

3. You can make ear corn silage out of the wettest corn, if you have the livestock to feed.

Most farmers can't artificially dry their corn. There are not enough driers.

The best bet is to move wet corn to another crib. This will loosen it up. Bad ears, kernels, silks and husks can be taken out.

A tine scoop is good for loading the corn. It will separate ears from trash. Put screens on your elevator to let shelled corn fall thru. Move the spout often, to prevent shelled corn and trash from piling up in one part of the crib.

Not much ear corn silage has been made and fed in Iowa. Those who have tried it think it might be a way to use soft corn.

Steers are being fed ear corn silage at the Iowa experiment station this year. Hogs can be fed ear corn silage, too. But dried soft corn makes better gains on hogs.

However, ear corn silage is much better than corn black with mold. The silo will at least save the feed in usable form.

If you put ear corn in the silo, be sure to add enough water. The silage should have at least 45 per cent moisture. Ames experts have a simple rule on water. Add a gallon and a half for each bushel to get 10 per cent more moisture.

Suppose your corn tests 25 per cent moisture. To make good silage, it needs 20 per cent more. So you add three gallons of water per bushel.

Add the extra water as you chop or grind the corn.

The silo should be small enough so you'll have to use three to five inches of silage a day.

Spoilage will result after the silo is opened if the feeding is at a lower rate. The ordinary big silo will require a lot of livestock to keep the silage good as it is fed.

There's not much time to lose. Test your corn and select one of the three steps given.

Then start the job while the weather is cool. If corn begins to heat or mold, nothing will help.

Test your corn for wetness. That's this week's No. 1 job.

This warning does not apply only to Hardin and Wright counties, where the tests were made. There is corn wet enough to spoil in most Iowa counties.

Your own judgment will tell you . . .

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ARE YOUR BEST BET IN FARM BUILDINGS

It is easy to see why "Quonsets" provide more for your money in farm buildings. All-steel construction means greater safety against fire, wind and weather, for both buildings and their contents. It means complete freedom from sagging, warping or rotting of framework or covering materials and from the destructive action of termites.

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Check the advantages offered by "Quonsets"—safety, permanence, low cost: you will find them to be better buildings for your needs. For full details, see your local "Quonset" dealer, or write—

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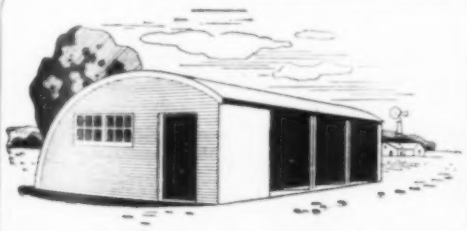
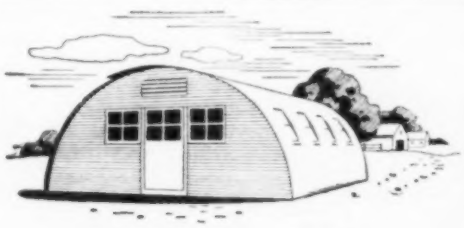


"Quonset 24"

Width, 24 feet; length as desired, in extensions of 12 feet. Supplied with front roller doors, front panels or open front. End doors and windows also available.



"Quonset 20"

Width, 20 feet; length as desired, in extensions of 12 feet. Walk door, two windows and ventilating louvers in end-section standard. Side windows also available.

"Quonset 40"

Width, 40 feet; length as desired, in extensions of 20 feet. 12-x-12-foot roller doors, four windows and ventilating louvers in end-section standard.

THE 1946 KEWANEE out-performs any harrow ever built for *high-speed* power farming. Extra heavy and strong for *high speeds* and hard usage. Gets right down to the job and does effective harrowing even in cloddy ground. Completely obsoletes all present designed horse-drawn harrows for tractor use.

The KEWANEE Handy Folding Harrow is no ordinary harrow. Its features are original, **Patented** and exclusive. No other tillage tool is so profitable in time-saving, work-saving and crop-producing results.

Only KEWANEE has long **Welded Teeth** that take a real "bite" of the soil. Streamlined and self clearing. No clamps, bolts or extended teeth to gather trash. No delays or impaired work. Pays for itself and more the first year.

More teeth per section, diamond-shaped and dagger-pointed. Cuts every 1½ inches. *Finer pulverizing, better seedbeds—bigger crops!* Patented **Short-Center** tractor hitch.

Amazing Folding Feature! Two outer sections fold to go thru farm gates. Easy to transport. Easy to store. Farmers pronounce it the greatest improvement in all harrow history!

See your KEWANEE Dealer *today*. Make sure of owning America's No. 1 Harrow this year. Write for Free Folder. Kewanee Machinery & Conveyor Co., Kewanee, Illinois.

Kewanee All-Purpose Elevator

Engineered to handle big loads with the speed that's needed in these fast moving days of high-speed tractors, 2-row pickers and combines.

Extra Capacity, Extra Strength, Extra Value. Priced no higher than other leading makes of farm elevators.

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Portable and Bucket models. For any kind of power. All galvanized steel construction. Many exclusive features insure years of trouble-free service.

Plan now for 1946 and post-war years. Store your crops the fast, easy modern way.

Investigate the KEWANEE *today*.

"BUILT FOR SPEED"

Kewanee Handy Harrows Farm Elevators

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BIGGER YIELDS OF BETTER VEGETABLES

- **TESTED FIRST** right out in our big test gardens to prove vigor of growth, heavy yielding ability, and superior flavor.
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- Look for EARL MAY'S SEEDS at your local dealer's . . . get them at your nearest Earl May Store . . . or write for a free copy of Earl May's 1946 Nursery and Seed Catalog, the most colorful catalog we've ever had. Write for it today.

(ABOVE) *View of typical test garden where Earl May vegetable seeds are tested under average growing conditions. Each variety of seed offered by Earl May must first prove its flavor, quality and ability to yield by extensive test plantings.*

(ABOVE) *Every lot of Earl May seed is laboratory tested for high germination before any seed goes into a packet. The planting test combined with the germinating test assures you* ***BIGGER YIELDS OF BETTER VEGETABLES.***

EARL MAY SEED CO.
Shenandoah, Iowa
1600 DEALERS - 27 RETAIL STORES

Ditches due to heavy run-off from overcropped land have started farmers to thinking about forage crops. (Picture was taken on a Dallas county, Iowa, farm.)

AAA Puts Emphasis On Soil Needs

Lack of Farm Allowances in 1946 Program May Mean Smaller Payments on Good Farms

IF YOU had most of your farm in corn the last few years, were you a patriot or a soil-miner? What sort of farmer should get the most help in improving his land?

Is it the man whose farm is in good shape because he has carried out conservation practices? Or is it the fellow who hasn't worried much about such things, and so needs them most now?

These are some of the questions county AAA committees are tackling. Under the 1946 conservation program, local committeemen have more to say about your part in the program.

Emphasis this year is on need for conservation practices in each county and on each farm. County committees have been given power to select their own lists of practices for which payments will be made.

Out of a list of 20 practices approved by the Production and Marketing Administration (AAA), Iowa counties have thrown out those not needed much in their areas. County lists run as low as six practices, none more than 12.

This means there aren't as many things you can do this year to earn payments. Also, you won't have a set payment allowance for your farm, like you had last year.

You may have a chance to earn more than you could in 1945, or it may be less. Here again the needs of your land are supposed to be the determining factors.

Local committeemen are finding that it isn't as simple as it sounds. Iowa's share of conservation money this year is $9,490,000. Farmers have said they would like to earn two to three times that amount thru conservation practices.

If the committees stuck strictly to farm needs as a basis, some good farms that always have been in the program might be left out in the cold. Others which have never gone along would stand to get big payments. So the 1946 program is going to be based on a mixture of conservation needs and past history.

The biggest job is paring down each farmer's plan to meet the budget. It has to be done fast, because county committee approval is required this year before practices for payment are started.

Township committeemen, of course, have to do the close figuring. Most of them expect plenty of squawks, but think farmers will like the new system when they get used to it.

Suppose two farms in the same township have been heavy on corn in the last several years. Plenty has been taken out of them, and now something should be put back. But committeemen who are familiar with both farms may figure one of them was worked hard as part of the war effort. This man, they say, is honestly anxious to put his land back in shape.

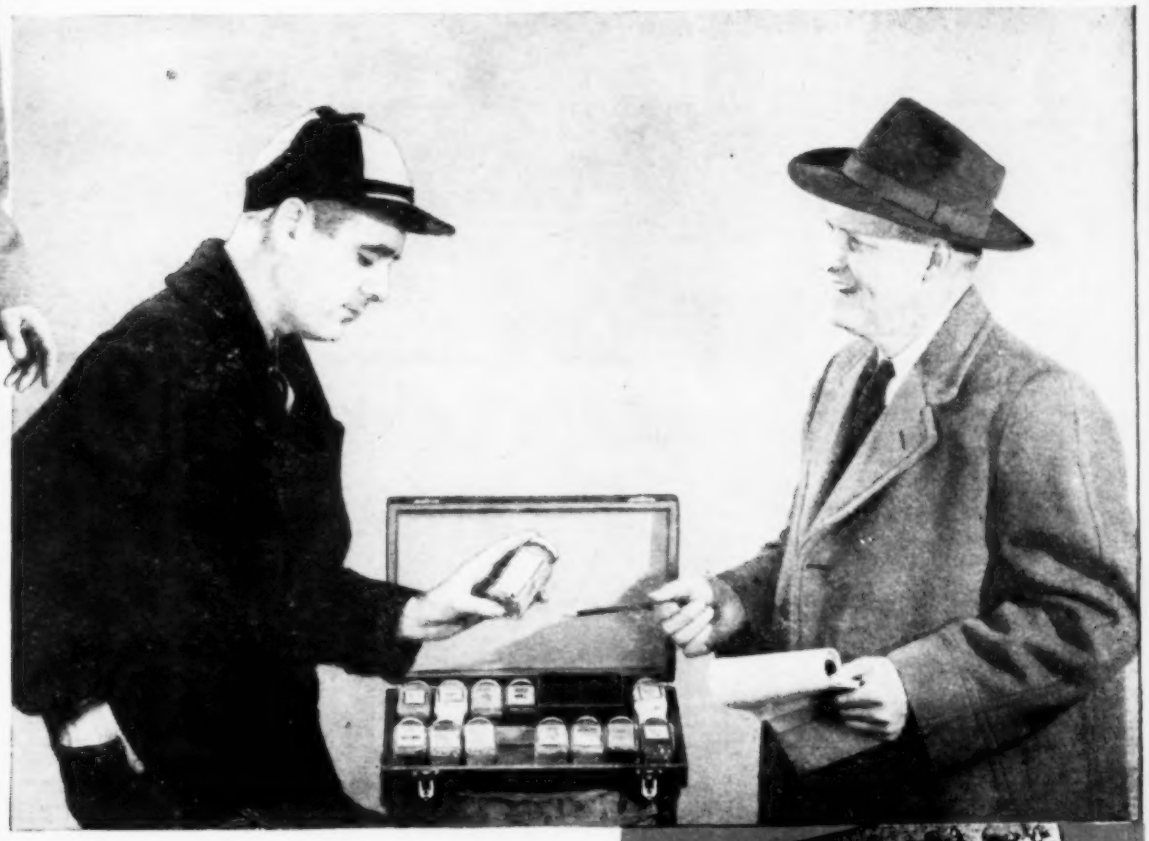
But the other fellow, they decide, has farmed hard only to make money, and now is thinking of selling out. In a case like that, farm plan approval probably will be based more on local circumstances than on actual conservation needs.

Unlike 1945, each county this year can earn its full allowance, even if only a few farmers participate. If a fellow doesn't go along with the program, his neighbor's payments can be increased.

Effect of this will be to increase participation and lower average payments.

Everything you want to do under this year's program won't be approved. There isn't enough payment money for that. How much you can do for payment probably will be determined by what your farm needs plus how much conserving you've tried to do in the past.

Welcome This Man and His Amazing "FEED-BOX" FEED STORE



See How This Unique Feeding Plan Gives You Higher Profits...Lower Costs...Less Work Without Buying Any Feed You Can Raise Yourself

YES, it will pay you well to welcome your local MoorMan dealer and here's why. That small green box he carries is actually a new kind of feed store literally crammed full of what you need to get good results from your livestock and poultry. This remarkable "Feed-Box" Feed Store *DOESN'T* contain anything that you can raise or process on your own farm. It *DOES* contain various combinations of minerals and minerals and proteins which are usually deficient in farm-grown grains and roughages.

DEALER HELPS IN MANY WAYS

From this unusual "feed store", the MoorMan dealer will help you select the correct supplement to give you higher production and improved quality of meat, milk, eggs, and wool, with less feed, labor and cost. Along with these very latest scientific feeds and feeding methods, he also brings you many valuable feeding "kinks" learned at other farms.

It will pay you well to know your local MoorMan dealer and to learn what he has for you in his "Feed-Box" Feed Store.

HOW-TO-DO-IT MAGAZINE BOOSTS FEEDING PROFITS FOR THOUSANDS

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Any livestock or poultry raiser will find "Feed Facts" indispensable, yet you can get it regularly without cost or obligation! It is published every four weeks, with each new issue telling with many pictures and few words how to get better, more profitable results through scientific feeding, housing, sanitation, management, or other timely subjects. Ask the MoorMan dealer for your FREE copy.

FOR GOOD RESULTS

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MINERAL FEEDS & PROTEIN CONCENTRATES

KEEP YOUR EYE ON THE ROW . . .

ONE . . . drive *forward* into the Quick-Hitch Cultivator. TWO . . . drop three pins and a cotter key. GO!

Attaching the Model WC tractor cultivator is that easy. There's no backing up or twisting to look behind.

Cultivating, you continue to look *ahead.* Keeping your eye on the row pays. Count the plants for a few rods. Notice that fewer are covered or damaged. You'll find keen satisfaction in seeing dirt filtered accurately around each stalk.

The Model WC Tractor gives you fast, flexible power with responsive, quick-dodge steering — plus a *LIVE* POWER LIFT at your finger tips that operates standing still or on the go.

Pioneer of air tires and Quick-Hitch implements, the WC tractor has been an influential factor in the trend to diversified agriculture. Today it is a mainstay of the modern family farm.

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TO BETTER FARMING
TO MORE PROFIT

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LISTEN! Every Saturday to The National Farm & Home Hour. NBC STATIONS — *COAST TO COAST.*

Cowles Veteran Iowa publisher Gardner Cowles died in Des Moines at 85.

Began Biggest Job at 42

"LIFE Begins at 40" is a nice-sounding slogan. But it seldom gets real life proof.

That's one reason why the publishing career of Gardner Cowles, Sr., of the Des Moines Register and Tribune, was unusual.

Cowles was 42 when he bought a majority interest in the Des Moines Register in 1903. He had had only 18 months' previous experience in the publishing business. But in the next 43 years he increased circulation nearly 30 times.

"Gardner Cowles was one of the great business geniuses of the nation," said Dante M. Pierce, publisher of Wallaces' Farmer and Iowa Homestead. "He made a striking success in publishing, and he brought to public service unusual business skill and devotion to the nation's interests.

"Any publisher is bound to admire Mr. Cowles' remarkable accomplishments in the newspaper field. Iowa and the nation will miss him."

When he died in Des Moines, February 28, at the age of 85 years, Cowles' career stretched from a small beginning as a school teacher in a little town in northern Iowa to a place as the head of one of the largest publishing enterprises in the United States.

Son of a Methodist minister, Cowles was born in Oskaloosa on February 28, 1861, and lived his entire life in Iowa.

At 21, he was city school superintendent at Algona, Iowa. It was there, in 1884, that he married Miss Flora Call, of Algona. It was there, too, he had his first taste of the newspaper business as a partner in the Algona Republican.

Before long, Cowles began making loans on Kossuth county farm land, accumulating capital which he later used in banking. He became president of an Algona bank and had interests in a dozen other banks in northern Iowa.

From 1899 to 1903, Cowles served two terms in the Iowa legislature. Then came his entry into the Des Moines newspaper field, where he became associated with Harvey Ingham, long-time editor of the Register and Tribune.

In the years that followed, he became nationally known in the newspaper business, an acquaintance of presidents, and a director and trustee of banks, colleges and hospitals. He served as a director of the Reconstruction Finance Corporation in 1932.

What to do for
S-L-O-W BREEDING

The slow breeder is usually the best cow in the herd. The causes of slow breeding include: Acid condition, retention of the afterbirth, low vitality from heavy production, or some infection.

Treat Your Cows with
Dr. DAVID ROBERTS SPECIAL Rx No. 63

Following the Rx No. 63 treatment, which is given for a few weeks before the cow is bred, insert a Dr. David Roberts COW CAPSULE (Ant-Acid) at breeding.

Get DR. DAVID ROBERTS STOCK MEDICINES FROM YOUR LOCAL DEALER

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Cuts 2⅜ in. deep
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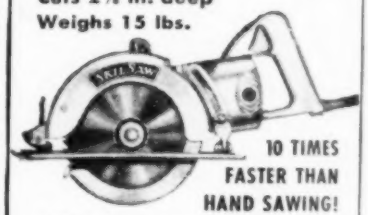

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THE NEW **Duplex ROTARY SCRAPER**

Most modern, simplified scraper on the market. Automatically loads. Bulldoze backwards. Many other exclusive features. "Patd."

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The Standard for Over 25 Years

PROTECTS YOUR SEED CORN

from Crows, Pheasants, Blackbirds, Larks, and all other corn-pulling birds and animal pests, such as Moles, Gophers, Woodchucks, Squirrels, etc.

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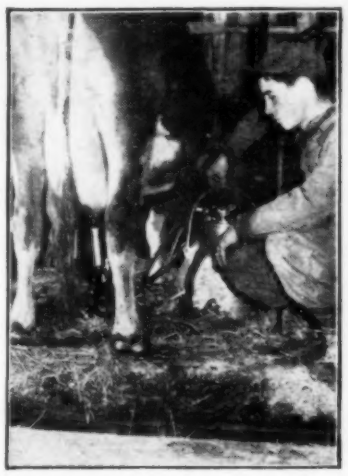


Speed Milking machine helps even with a small herd. Eight cows are being milked on this Jasper county, Iowa, farm. Stanley Fraker is the operator.

More Jobs For Farm Tires

NEW uses for farm tractors mean new problems for tire makers.

That was the gist of discussions in Des Moines last month when the Firestone Tire and Rubber Company showed off its new tractor tire plant to tire and implement men.

L. W. Fox, Firestone research man, pointed up the new angles in tire-making. With machinery on rubber, he said, farmers are doing more running on hard-surfaced roads.

Tractor tire makers originally engineered their products strictly for off-the-road work. Now these tires have to have more zip if they're going to stand the gaff.

Another headache is increased use of front-end equipment. It used to be, Fox said, that front tires on tractors didn't have to carry too much load. Hay-bucks and manure loaders have changed that. Front-end tires now must be built to carry lots more weight.

A plug for synthetic rubber was put in by Harvey S. Firestone, Jr., president of the company, which is turning out 800 tires a day at Des Moines. Synthetic tires have proved they can take it, he said.

Besides, Firestone pointed out, it would be silly to go back to complete dependence on overseas rubber sources. He said farm tires probably would continue to carry a high percentage of synthetic material.

Makes Hay Contain More Protein

You get one per cent more protein content in clover and alfalfa hay from soils well supplied with phosphorus. This is reported after testing hay samples from 52 western Minnesota fields.

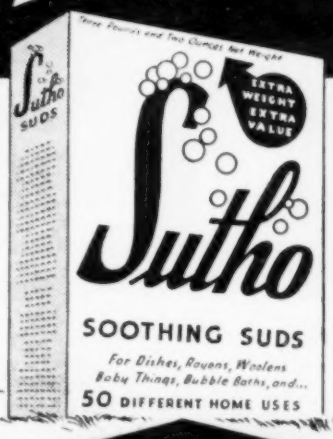
If clover and alfalfa showed increased yields on your land from adding phosphorus, indicating a phosphorus deficiency, you can expect an increase in protein also.

Phosphorus is the plant food element most often found lacking in corn belt soils. There are fields, however, that are not deficient in phosphorus. On such soils, it is probable that neither the yield nor the protein content will be affected by adding phosphorus.

TOO MUCH WORK Is Enough!

Let SUTHO SUDS do your DAIRY CLEANING

This amazing new cleaner actually CLEANS EASILY, QUICKLY and BETTER—without scouring.
SUTHO SUDS penetrates fats and grease, breaks down water tension, frees and dissolves all deposits—without forming curds or milkstone—that's why it's better for your milking machines and separators—and saves you work!
SUTHO SUDS is SAFE—Contains no acids, no alkalis, no strong chemicals, no rough abrasives.
Keep your metals shining—deodorize and disinfect—clean and brighten your dairy equipment easily with SUTHO SUDS—TODAY!



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And is ECONOMICAL! And GUARANTEED!

You need only one tablespoonful to a gallon of water. Ask your grocer today for the large economy size. (2 lb. 2 oz.) priced at only 65c.

SUTHO SUDS is guaranteed better than soap, soap powders and other cleaning agents. If you are not satisfied that this is so, return your partially used package of Sutho Suds to your grocer and he will refund the purchase price in full.

ASK your GROCER TODAY for SUTHO SUDS!

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RID your live stock of Grubs, Wolves, Warbles, Lice, Ticks, Flies and Mange!

STOP Costly Losses

New ALL-GALVANIZED

Rotenone APPLYING CURRI-OILER KNOCKS GRUBS

Provides AUTOMATIC Stock Pest Control!

Automatically applies new pest-repelling, medicated Rotenoil; containing "grub killing" Rotenone; then curries it in. Livestock treat themselves *whenever* and as *often* as needed. This is the proved effective, labor-saving way to kill grubs

It's equally effective against lice, ticks, flies, mosquitos and mange mites. Easier and cheaper than spraying or dipping. It's the "modern method of stock-pest control."

Designed for Cattle, Horses, Hogs ... the Curri-oiler is easy to install. Service free. Built to last a lifetime! All-galvanized, rust proof construction! Ends destructive rubbing of the feed bunks, fences, buildings.

Faster GAINS! More MILK! BIGGER PROFITS!

Recent tests reveal increased weight gains up to 30 lbs. per head in a 60 day period with pest-free cattle; and up to 15% more milk from contented dairy cows! Remember, also, grub-free cattle bring $3 to $5 more per head. At this rate NO livestock raiser can afford to be without a curri-oiler.

10 DAYS "Free Trial"

We invite you to try the Farnam Curri-oiler AT OUR RISK. Order one today. Use it for 10 days without cost or obligation. If not satisfied 100%, return it and get your money back IN FULL!

FREE VALUABLE BOOKLET "Grub Control"

Contains wealth of information on control of Grubs and other livestock pests. Sent free! Mail coupon below!

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☐ Enclosed find $49.50 for which please ship Curri-oiler, with 2-Gallons Rotenoil FREE on 10 Days Trial.

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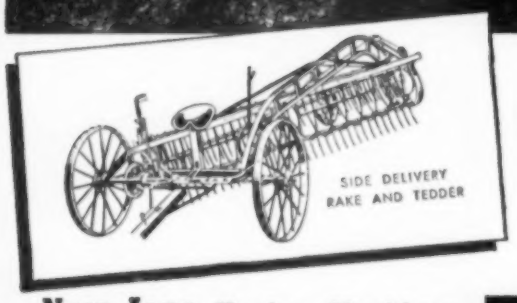
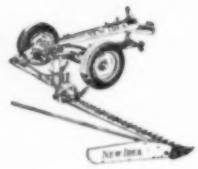
GOOD HAY in the Making





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Here are machines especially designed to assist towards fullest possible retention of leaves and color at every step in hay making. The remarkable NEW IDEA Tractor Mower, with its quick universal hitch and power operated cutter bar lift, lays smooth workable swaths so quickly that it saves precious sunlight hours for the curing process. The popular NEW IDEA Rake, with its double-curved teeth and other features, builds scientific quick-drying windrows that protect against bleaching and shattering. And from direct action cylinder to yielding closed deck, the famous NEW IDEA Loader saves and puts onto the load a maximum of the leafy riches.

TRACTOR MOWER

CYLINDER-PUSHBAR LOADER

STEEL FARM WAGONS

Examine these NEW IDEA machines in detail and you'll see why they improve the harvest while lessening the labor. Pay a visit of inspection to your dealer, or write direct for free literature.

FREE BOOK—Title "Better Hay." Practical information on methods that produce hay of highest quality. Ask your NEW IDEA dealer for a copy, or write.

NEW IDEA FARM EQUIPMENT

NEW IDEA, Inc., Coldwater, Ohio
Factories: COLDWATER, O.—SANDWICH, ILL.

THE MINERAL WITH THAT *Extra Something*

MORE than a good mineral—Corn King contains that EXTRA something for EXTRA value in your feed lot. We call it "Element X"—the famous Corn King secret of compounding all its complex feeding ingredients in a way to give MAXIMUM value with your livestock and poultry. There are hundreds of mineral formulas on the market, but only one Corn King.

Worth asking for by name.

for all Livestock & Poultry

Corn King MINERAL COMPOUND

Barlow, Wright & Shores, Inc., Cedar Rapids, Ia.

New! DOUBLE PROTECTION for LIVESTOCK

These two effective insecticides give complete livestock protection—should eliminate flies, and most other insect pests around farm and barns.

Rex Stockaid sprayed in the air and directly on animals kills flies quickly. Ideal at milking time to help keep cows quiet. Harmless to people and animals. Safe to use anywhere as directed.

Rex Surface Insecticide (5% DDT) is valuable in keeping flies in barn at minimum. Applied to walls and ceiling most insects which touch it die in one to three hours. Effective for months.

For sale at Grocery, Drug, Hardware and other retail stores . . . Rex Research Corp., Toledo 7, Ohio

REX STOCKAID ANIMAL SPRAY — REX SURFACE INSECTICIDE 5% DDT AND OTHER ACTIVE INGREDIENTS

Buy a Bond to Help Your Country and to Help Yourself in Later Years

Check Germination Of Seed Corn

New Planter Plates May Be Needed For Shrunken, or Perhaps Round, Kernels

SEED corn for 1946 is scarce. The quality will be lower than in ordinary years. The wet, cold season of 1945 was the worst year for seed corn since 1917.

The problem is not as serious as in 1917, however. Last fall, hybrid seed corn growers had the equipment for prompt drying of high moisture corn. In 1917, organized drives were held to find old corn. Farmers bought it at very high prices, to plant the 1918 crop.

The quality and amount of seed corn grown in 1945 was good in southern areas. The quality goes down as you go north.

A lot of the seed planted this spring will be small and off-size. Germination will not be as good as usual.

It is estimated that there will be enough seed corn this spring only if all the usable grades are planted. There is some 1944 corn.

Round kernels may have to be used. Small, flat kernels, caused by the drying out of excess moisture, can produce a good stand of corn.

Much of the seed corn may not fit your regular planter plates. You may have to get new and smaller plates. Just as soon as a sample of the corn can be secured, you should order the proper-sized plates.

Check the germination test of the corn you intend to plant. If it is below 90 per cent, you should plan to plant thicker than usual.

But farmers have not yet found an accurate test which will show exactly what your seed will do in the field. Weak corn may do better, or it may do worse than the test. It depends on the weather.

Round kernels can be planted. They, too, require special plates.

Kernels from the tip and butt have been used with good results.

Kernels from the tip and butt may grow better than the rest of the ear. They are the kernels that got ripe first.

All the kernels on any one ear have the same parents, say the experiment station men. Therefore, the yielding ability, resistance to disease and other qualities should be the same for all the kernels of that ear. The Iowa station says:

"Now that planter plates are available which will handle practically any size or shape of kernels in a satisfactory manner, the decision as to the seed to purchase should be based largely on the per-acre seed cost."

Seed corn conditions in the various states are reported as follows:

Iowa, northern Illinois and Indiana: 15 per cent less seed than last year; germination mostly over 90 per cent; appearance poor. More small-size, light-weight kernels than normal.

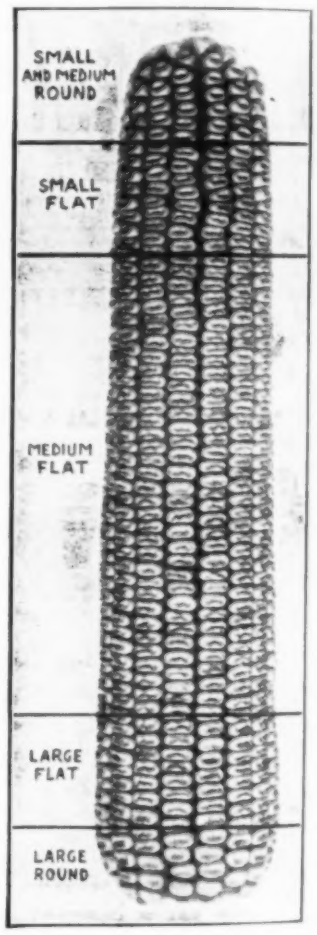
Wisconsin, Minnesota and nearby parts of Iowa and Illinois: About 20 per cent less seed than last year; only three bushels out of four will germinate 90 per cent or higher. This region was hardest hit.

The southern corn belt is said to have more seed than last year. The quality is good.

Some of the things farmers may want to do to get around the short seed supply are:

Plant adapted hybrids, even if the seed is lower quality. If you live in northern Iowa, it would be risky for you to use a big southern corn just because the kernels were plump and well shaped.

When you figure up how much seed you will need, remember shrunken kernels make more kernels per bushel. This should make up for thicker planting, which may be required if germination is low.



Five Sizes of seed corn from the same ear. They will all produce good corn crops, but there must be plates to fit.

Plant when the soil is warm. Fall plowing and well-worked soils are usually warmer. Seed you think is weak will have a better chance to make a good stand in warm weather.

Don't hesitate to buy small sizes or round kernels—if you can get the plates to use that kind. Remember, the parent strains make seed either good or poor.

When you get your corn, make tests to find what planter plates needed. Then order plates at once.

Your old plates may not do. Even the flat kernels may be smaller this year.

A one-minute demonstration of Better Farming by the

*FERGUSON SYSTEM

One of MANY advantages...

with the FERGUSON SYSTEM the tractor automatically changes its weight to suit the job

One advantage of the Ferguson System that interests every farmer is the way the tractor automatically adjusts its weight to fit the work.

For example, instead of using heavy built-in weight, the Ferguson System provides traction by carrying the plow as well as simply pulling it. Thus the implement's weight, its downward suck, and the weight of soil on the plow bottoms all transfer weight to the tractor's rear wheels—as indicated by the curved arrows in the above picture.

At the same time, through the Ferguson System of 3-point linkage, a strong, forward-slanting thrust is exerted that holds the front wheels down, too—as shown by the long arrow. Heavy going merely increases these natural forces, adjusting the traction to suit the job, instantly and automatically.

The other pictures show a few more of the many advantages of the Ferguson System that we would like to demonstrate for you. Ten minutes behind the wheel will convince you that the Ferguson System turned the tractor into a Farming Machine. By saving time and strength, it makes possible more farming . . . and Better Living, too.

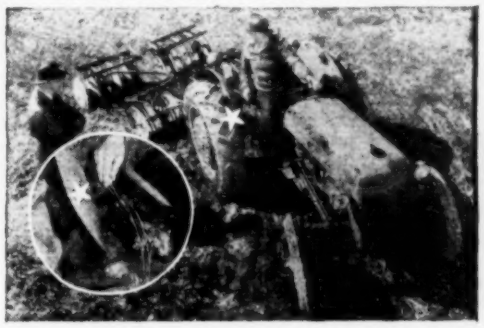
Ask your friendly FERGUSON DEALER for a demonstration on your farm

Ford Tractor

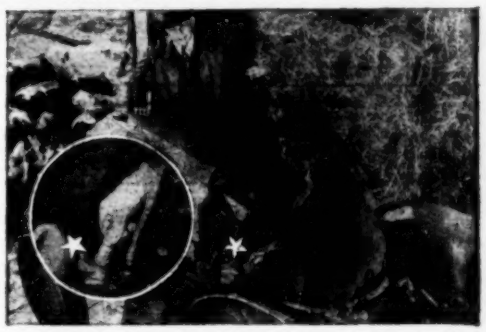
FERGUSON SYSTEM

THREE OTHER IMPORTANT ADVANTAGES

1. Finger tip leveling crank on tractor tilts or levels implements. Replaces heavy levers. With the Ferguson System, you can level or tilt implements in motion.



2. Harrow discs are angled or straightened while moving. With the Ferguson System, hydraulic finger tip control adjusts angle of discs at will, without stopping.



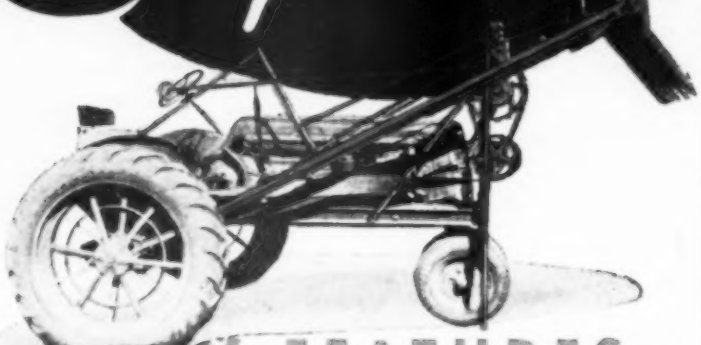
3. Safety starter won't operate with tractor in gear. No danger of a crash start with the Ferguson System. Prevents damage or injury.

***THE FERGUSON SYSTEM Turned the Tractor into a Farming Machine**

- Uses natural laws instead of heavy inbuilt weight to gain penetration and traction.
- Enables you to lift, lower, set and control implements by hydraulic power instead of muscle power.
- Encourages flexible farming by one-minute implement attaching, one-wrench adjustments, and automatic change of traction to suit the job.
- Provides automatic protection against hidden obstacles without "losing" the implement.

HARRY FERGUSON, INC., DETROIT, MICHIGAN

Get the Loader that GIVES You MORE



7 Plus FEATURES AT NO EXTRA COST

Get these EXTRAS in convenience, ease of operation, greater usefulness, and economy when YOU buy a loader. When you choose a COATS, you get all these added features, at no more than you'd pay for an ordinary loader:

1 "Miracle" Telescoping Frame, stronger, permits load pickup within few inches of front wheel; puts 30% less weight on front end, less pull on rear axle.
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Hogs coming out of winter quarters should be treated now with Kritter-Kote. Kritter-Kote prevents and controls hog lice and mange. Hogs that are mange and lice-free make faster gains—are more profitable. Kritter-Kote is easy-to-apply, quick-acting, economical. Dip, brush or spray your hogs with Kritter-Kote now. See your dealer.

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The Improved Hog Oil and Insecticide

—PUT YOUR EXTRA DOLLARS INTO U. S. SAVINGS BONDS—

Will Corn Ceilings Go Up Again?

Less Feed for Hogs and Cattle Might Provide Grain for Export to Europe

WASHINGTON, D. C. —The Farm Bureau, Cooperative Milk Producers and Grange are telling Bowles and Porter, of OPA, that they won't go along on extension of subsidies unless:

1. Subsidies are gradually cut down and end by December 31.

2. Ceilings rise as subsidies decline.

This would mean that, when 5 cents per pound of butterfat is taken off the dairy feed subsidy, 5 cents would be added to the ceiling price.

Congress may back up the farm position by writing such a schedule into the act extending subsidies beyond June 30. The groups wanted all subsidies ended by June 30.

That seems out. But they will hold out for a tapering off of subsidies by December 31, and for corresponding increases in ceiling prices.

Farm price controls in other fields are also showing signs of stretching.

To get grain for export to hungry Europe, the government must take grain away from some people at home, or livestock at home, or both.

Brown flour takes a little wheat —not much—away from our people and sends it to Europe.

Raising ceilings 3 cents each on wheat and corn, 4 cents on barley and 2 cents on oats was probably intended to shift some feed from livestock to exports.

The increases are so slight that they will probably have no effect.

Secretary Anderson told a congressional committee just this. He gave the impression to some congressmen that he felt corn prices would have to be raised sharply if livestock weights were to be cut down.

Anderson said the United States had promised to supply Europe with certain foods, and had promised to keep ceilings on feed and livestock unchanged. He added that it might be impossible to keep all these promises.

His first suggestion, at the Des Moines Farm Institute, was to cut ceilings on heavy hogs. This was received so badly by farmers that there is a chance that plans may turn toward raising ceiling prices on grain.

(Editor's Note: Turn to page 6 to see editorial on possibility of removing subsidies from heavy hogs and lowering price in that way.)

Now everybody admits that the United States, for its own sake and for the sake of the world, needs high production again in 1946.

Shortages of farm machinery and fertilizer are hampering this production. And farmers are tired after the war years.

So is their land. A lot of it has been mined to produce war crops.

So higher prices for farm products, or incentive payments (which is a fancy name for subsidies) may be needed to get full production.

Incentive payments for crops and livestock most needed are most favored in governmental circles.

Some farm groups are asking for an increase in parity, which would jack up prices all along the line. It would increase prices for dairy products—which are badly needed—and also for cotton, of which we have too much on hand now.

A big problem yet unsolved is that of meeting minimum feed needs of poultrymen and dairymen in deficit feed areas of the east and far west.

John H. Davis, executive secretary of the National Council of Farmer Cooperatives, along with Fred Bailey, legislative representative of the National Grange, declare that the government must do something to replace wheat which is being diverted from mixed feeds to fulfill foreign relief requirements.

Davis' organization says that the most effective way to encourage movement of grains from the midwest would be for the government to provide loans to farmers and give them certificates entitling them to 90 per cent of parity, as guaranteed under the Steagall amendment, or the market price at the time the farmer may elect to sell

Bailey says his organization believes it may be necessary for the government itself to go into the corn belt and buy corn for movement to deficit areas, if disastrous liquidation of poultry and dairy industries in such areas is to be averted.

He says it probably would be necessary for the government to run the corn thru drying plants before it could be shipped any distance.

Much criticism is being directed at the government here for its apparent failure to foresee the development of the grain shortage and to do something about it earlier.

It is being asserted by some that the agriculture department had discounted foreign requirements, and was more anxious to move farm products into consumption quickly, to prevent the possible accumulation of price-depressing surpluses.

Doubt is being expressed as to the effectiveness of the government's publicity campaign asking consumers to participate in a voluntary program of cutting down on their consumption of food.

The doubters contend that the high level of purchasing power and a shortage of non-food goods

J. A. Krug **New Secretary of Interior is 38-year-old Wisconsin man. He was formerly chairman of War Production Board. (International News Photo.)**

will continue to express itself in a big demand for food.

The doubters also point out that the war-time element of patriotism is absent. They say the government made a mistake when it removed meats, fats and oils and butter from rationing and took off the restrictions on the sale of whipping cream last fall.

The "Eat Less" campaign will be carried on by a national group known as the "Famine Emergency Committee," having former President Hoover as its honorary chairman. Hoover, as Food Administrator, had charge of food distribution in World War I.

Some food experts believe that it will become necessary for the government to re-establish rationing of some items before the year is out.

This belief is based upon the expectation that production of livestock products will be at a lower level next fall and winter than it was during the past fall and the winter just closing; but that the demand will be as great as it is now.

Rationing, these experts say, would be the only way of preventing maldistribution of supplies.

But government food officials wave aside all suggestions of a return to rationing.

Folks here in the national capital continue to be uneasy over the industrial outlook. Many observers see dark days ahead on the labor front. Insiders say John L. Lewis and his United Mine Workers are out to break the government's wage-price policy.

Under that policy, the government encourages increases in wage rates up to about 18½ cents per hour, and the price increases which are necessary to cover such wage hikes.

Lewis is expected to demand a minimum of 25 cents an hour, and to call his miners out on strike unless he gets it.

More is involved in Lewis' demands than the wage increase. Those who know him say he wants to show organized workers that he is able to do more for them than is Philip Murray and the CIO. In other words, the Lewis strategy is said to be a plan to destroy the CIO, which he hates.

A prolonged coal strike would do much to further delay reconversion of industry to peace-time production and to prolong shortages of consumer goods.

Now - GREATER THAN EVER!

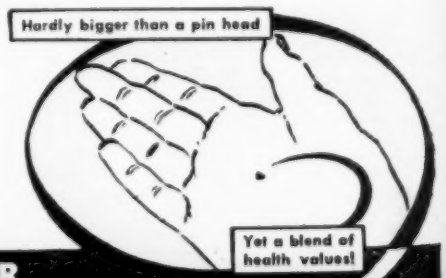
CARGILL CRUMBLIZED* CHICK STARTER

NOT TOO FINE...
NOT TOO LARGE...

It's CRUMBLIZED*

JUST RIGHT FOR SAFE AND EASY EATING!

It was bound to come! Cargill has brought it to you . . . the "crumblized*" chick starter! Not a mash—not a pellet—but better than either and combining the advantages of both! Too fine a feed means clogged beaks—too coarse a feed means difficult eating—both mean lower feed consumption. Through Cargill's new process, your chicks get a starter sized just right for easy eating. Blending of food values in each bit means efficient use of feed. Cargill tests show faster growth, early feathering. Crumblized particles stay put in feeders, cutting waste.



● *Cargill regrets that feed and ingredient shortages will limit supplies this season. But remember, this history-making advance in chick feeding is here to stay—and remember, only Cargill makes Crumblized* Chick Starter.*

FEED CARGILL—THE CHICK STARTER

that's CRUMBLIZED*

*TRADE MARK

McCurdy's
SINGLE CROSS HYBRIDS

HIGH GERMINATION
PROVEN ADAPTABILITY

This seed was produced in southern Iowa where we were very fortunate in not receiving the early freezes experienced in the northern cornbelt which cut the yield and germination considerably, thus making the supply of high germinating seed very short. For a limited time we will be able to supply our high quality, high germination McCurdy's Hybrids that have given excellent performance during the past few years throughout all parts of Iowa. If you are in the market for high germination hybrid seed corn of adapted varieties, we urge you to place your order immediately. You won't have another opportunity to buy this quality of seed for 1946 planting.

LINE-BRED
SINGLE CROSS HYBRIDS

400 A medium to early maturing single cross adapted to northern and north-central Iowa. It is very uniform and a beauty to watch growing. Matures in 105 to 110 days.

420 A medium maturing hybrid of the same maturity as above hybrid which has very dark green foliage and gives an outstanding performance. Very uniform.

800 A single cross that has exceptionally dark green foliage and grows to medium height. Produces a medium dent ear and stands up exceptionally well. Adapted south-central and southern Iowa, matures 112 to 115 days.

820 A single cross hybrid adapted to southern Iowa and matures in approximately 118 to 120 days. Good on all types of soil and is a very high quality deep kerneled hybrid.

GERMINATION 94% OR BETTER
Large and Med. Flats.....$12.50 Bu.
Large Rounds .... 9.00 Bu.
Med. and Small Flats...... 11.00 Bu.

DOUBLE CROSS HYBRIDS

95M A 90 to 95 day hybrid adapted to northern Iowa for medium to early maturity. A beautiful hybrid to watch grow and perform with the best.

111M A very outstanding hybrid for northern and north-central Iowa as it grows to medium height and it matures in 110 days. High yielding, stiff stalked.

112M Another excellent hybrid of 110 days maturity adapted to northern and north central Iowa. Rather a close shanked hybrid which has large ears that are of high quality and deep kerneled.

987M A real hybrid adapted to south-central and southern Iowa that is very stiff stalked and produces high quality corn. Matures in 115 to 120 days.

124M Top performer in the Iowa State Corn Yield test of 1945 for the southern section in both the 3 and 4 year averages. A real hybrid that is good on all types of soil and gives excellent performance year after year. Has very dark green foliage and matures in 115 to 120 days. High yielder of excellent feeding corn.

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Flats ....$8.50 Bu.
Large Rounds .... 6.50 Bu.
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SPECIAL! 10 Pounds of Any Hybrid Postpaid for $2.00

FREIGHT PAID on orders of 2 bushels or more.

Our supply is limited.
Order now before it is too late.

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FREMONT, IOWA

Place my order for the following varieties. I understand that orders are filled in order received. If supply is exhausted, money and order will be returned at once. If seed does not meet my approval, I may return it freight collect and receive my money back. Also, the seed is sold with replant agreement.

No. Bu.	Variety	Grade	Price

TOTAL.........

☐ Send me your catalog.
☐ I am interested in becoming an agent.

Name ....

Town .... State..........

We have openings for a few district men.

Grass Saves Corn In Feeding Cattle

Brome-Alfalfa Pasture May Return $45 Per Acre, Say Crawford County, Iowa, Feeders

CAN you use grass to save corn in fattening cattle? "Yes," say a group of Crawford county, Iowa, feeders. They offer figures to prove a saving of about one-third of the grain and concentrate with good pastures.

The brome grass-alfalfa mixture is favored by the Crawford county men. Some feed grain on pasture; others run the cattle in knee-deep brome-alfalfa thru the pasture season and then fatten in dry lot.

Louie Reimer gives cattle grass-fat first. This Crawford county feeder bought cattle in Kansas City, March 1, weighing 558 pounds, average. Started on an old stack of hay, they were on brome-alfalfa thru the pasture season, lasting until September 15.

After being fed corn and concentrate for 120 days, Reimer's 30 cattle went to the Chicago market January 15, weighing 1,155 pounds, average. If the cattle gained 2.3 pounds per day in dry lot (a good gain), the total gain after leaving pasture would be 276 pounds each. The gain on brome-alfalfa pasture would be 321 pounds.

The cattle sold at Chicago for $18 per cwt. There were 30 head on 30 acres. Counting gains at the selling price of fat cattle, the return was $57.78 per acre for pasture. Or, counting the gains at a feeder price of $14 per cwt., the brome-alfalfa returned $44.95 per acre.

Julius Rohwer, Crawford county banker and farm operator, got a big return from brome-alfalfa by feeding cattle grain and concentrate while on pasture.

One year after seeding brome-alfalfa, Rohwer turned 40 head of Nebraska sandhill Herefords and 38 head of Angus calves into a 39-acre field. Average weight was 620 pounds.

The cattle were started on ground ear corn and later full fed on shelled corn. They ate 10 to 11 pounds per day. This grain consumption was about seven pounds less per day than cattle the same size ordinarily eat in a dry lot.

The cattle went to market October 15, after being on the pasture with grain concentrate since about April 15, or 180 days. Average daily gain was more than two pounds per head.

Rohwer figures the saving in corn by the use of pasture at 22 bushels per head. This is arrived at by estimating the cattle would have eaten 18 pounds of corn per day as against 10 to 11 pounds on the brome-alfalfa pasture.

Computing pasture values by the grain saved in fattening the cattle, Rohwer finds that with the pasture carrying two head per acre, and corn at $1 per bushel, grass was worth $44.60 per acre.

Fred Reinking, Crawford county feeder, reports similar returns from the same pasture in 1943, 1944 and 1945. Reinking bought the brome-alfalfa pasture on which Rohrer fed the 78 cattle.

Figures secured by Reed Lyford, farm planner for the Crawford County Soil Conservation district, indicated Reinking's pasture gains on 39 acres of brome-alfalfa and 34 acres of blue grass as follows:

In the spring of 1945, Reinking purchased 83 head of cattle, weighing 69,400, or an average of 836 pounds, when put on pasture. They were full fed grain, but, because of the abundant pasture, the grain consumption was 11 pounds per day instead of the 18 pounds that would be expected in a dry lot.

The cattle gained almost two pounds per day. The gain on pasture of 29,890 pounds, with the grass estimated to save 1,616 bushels of corn, gave the pasture a value of $22.40 per acre, according to Lyford's figures.

In addition, the pasture took care of 35 brood sows and 250 pigs thru the season, giving pasture an additional credit of $12 per acre, or a total value of $34 per acre.

These figures are in line with results obtained over 30 years ago, according to Paul A. Johnson, Crawford county extension director. He reported feeding tests on the Capt. W. S. A. Smith farm, in Woodbury county, Iowa, in 1911 and 1912.

Top cattle then were $9.75 per cwt. Corn was 60 cents a bushel. On 125 acres of brome-alfalfa, 200 head of calves and 40 sows and litters were pastured.

Saving in corn when baby beeves were fed on knee-deep brome-alfalfa pasture was estimated by Smith at 35 per cent.

The brome-alfalfa pasture which gave good results to the Farmers State Bank of Schleswig, Rohwer and the next owner, Fred Reinking, was sowed as follows:

First, three tons of limestone per acre was applied early in the spring. Then the corn stalk land was double disked with a sharp disk.

Iowa brome grass was seeded at the rate of eight pounds per acre, with eight pounds of Cossack alfalfa. One bushel of oats was used as a nurse crop. Seed was covered with a double rolling with a corrugated roller.

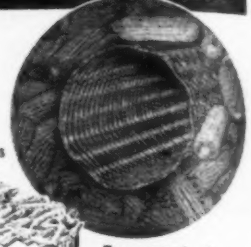
The alfalfa and oats made good growth the first year, but brome was hard to find. Pasturing began the next spring, one year after seeding.

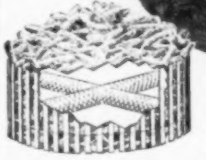
Brome enthusiasts caution growers about one thing: Be sure to get adapted strains. Southern strains are better for the corn belt than northern strains. Iowa State College recommends Fischer, Lincoln and Achenbach strains.

Brome grass should be sowed with legumes. Growing alone, it soon becomes "sod-bound" and unproductive because of insufficient nitrogen. Brome should be sowed on the better soils. You can't put your poorest land in brome and get good results.

DRY CORN FASTER with Behlen ALL-STEEL VENTILATOR!

Costs Less Than Wood Ventilators





For greatest air draft . . . ventilate your corn as shown at left.

Provides drying air channels through all types corn cribs. Strong steel mesh with openings about 2 by 4 in. 4 ft. lengths, 10 in. diameter. It's all air space. Cheaper than wood. Lasts for years. Get yours while supply available. Write for full particulars and name of dealer near you.

Behlen ALL-STEEL
VENTILATOR
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SAVES LABOR MONEY

The famous Humboldt Mechanical Lift Loader is doing a great job for farmers everywhere—loading manure, dirt, sand, gravel, cobs, etc.—faster, easier, cheaper. With our fork attachment it can be used for handling loose hay, baled hay and bundles. Attach a Humboldt to your tractor and put this "work horse of the farm" to work for you!

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Farm News Briefs

H. D. HUGHES, head of farm crops at Iowa State College, is now president of the American Society of Agronomy. At Ames since 1910, Hughes is widely known for his discovery of Hubam sweet clover.

▲▲▲

CHANCES for more fruit growing in western Iowa will be studied at a new horticulture experiment farm near Council Bluffs. Groups in Council Bluffs and Pottawattamie county got together to buy the 100-acre farm, have leased it to Iowa State College for experiments.

▲▲▲

FARMERS are asked to boost 1945 production by a million acres each of wheat and corn and 1,110,000 acres of soybeans. Iowa's share of the increases is 150,000 acres of corn, 200,000 acres of soybeans.

▲▲▲

IOWA FARMERS may now sign up for crop insurance on their 1946 flax crop. In 1945, flax on about 11,000 Iowa farms was insured. Trial insurance will be continued on corn in Marion and Buena Vista counties.

▲▲▲

PROCESSORS are being required to set aside 5 per cent of March production of soybean, cottonseed, linseed and peanut meal. The set-asides will cover shortages in east, south and west.

▲▲▲

PHILIP B. PETERSON, Winnebago county AAA chairman, died following a heart attack in his office on February 22. He had been an AAA worker since 1933.

▲▲▲

STATE FAIR DATES include: Illinois, Aug. 9-18; Missouri, Aug. 18-25; Iowa, Aug. 19-30; Minnesota, Aug. 24-Sept. 2; Kansas Sept. 15-20.

▲▲▲

PESSIMISTIC on surpluses is I. W. Duggan, governor of the Farm Credit Administration. He says a dangerous surplus may build up in 1947 unless other nations have very short crops.

▲▲▲

FARM LAND values in Illinois have risen two-thirds above the 1935-39 level, says the University of Illinois.

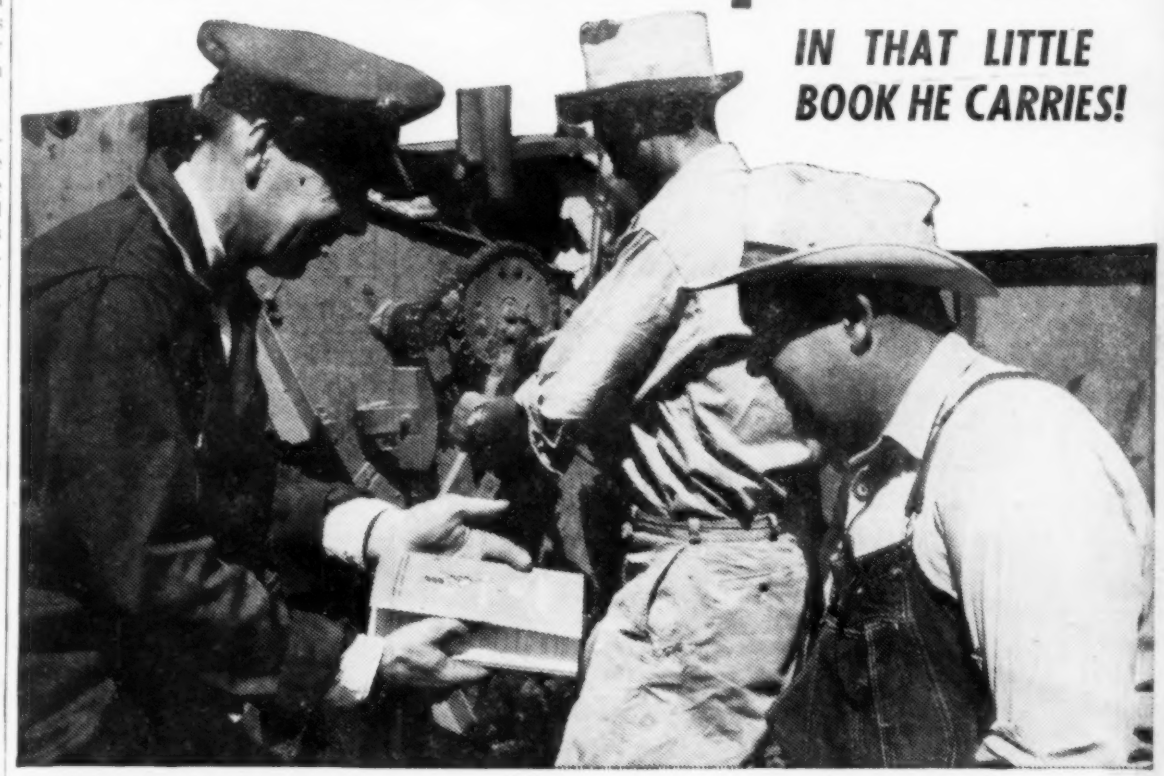
PILOTS MEET

Are there 5,000 flying farmers in Iowa? Some aviation experts say there are at least that many. With the help of Iowa State College, they hope to find out next week.

March 18 is the date set for a meeting at Ames to organize the Flying Farmers of Iowa. All farmers interested in flying, whether they are pilots now or hope to be, are invited to attend all-day sessions on the college campus.

Organizers hope many farmers will fly their own planes to the meeting. Plans are being made for an exhibition of light planes at Ames airport as an added attraction.

There's a World of Lubrication Experience



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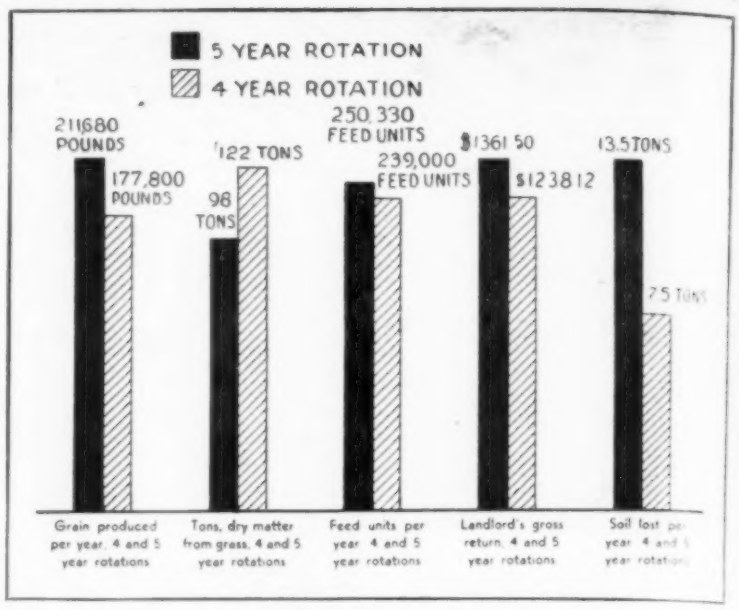


Cash Returns Feed production and soil losses comparing four and five-year rotations are shown here. Five-year rotation has two years of corn, then oats and two years of grass. Four-year rotation has one year of corn, one year of oats and two years of grass.

Good Returns From Short Rotation

Crop Rotations With One Year Corn Raise Almost as Much; Bring About Same Income

DOES it pay to plant corn two years in succession? Is the loss in feed and income made up by soil saved thru more grass crops?

Suppose you're using a five-year rotation of corn, corn, oats, hay, pasture, and you should change to a four-year rotation of corn, oats, hay, pasture. Over a 10-year period how would this affect feed production, income and fertility loss?

To get answers to these questions, let's apply the rotations to a 160-acre farm with 140 crop acres.

The five-year rotation keeps two fifths of the crop land in corn, one-fifth in oats and two-fifths in grass. The four-year rotation means 25 per cent of the crop land in corn, 25 in oats and 50 in grass.

With the five-year rotation, the 160-acre farm will have 56 acres of corn, 28 acres of oats and 56 acres of grass. With the four-year rotation, there will be 35 acres of corn, 35 of oats and 70 of grass.

How would total feed production compare as between the four and five-year rotations?

Crop production will have to be based on estimated yields. Corn on sod land should produce 65 bushels per acre, and second-year land 50 bushels.

The difference of 15 bushels between first and second-year corn is about average, as shown by Iowa State College tests.

On the Page county, Iowa, experiment farm, the actual difference between first and second-year corn was 20 bushels. In Story county, Iowa, a test showed a difference in favor of sod corn of about 12 bushels an acre.

Oat yields following two years of corn may be estimated at 35 bushels, and oats following only one year of corn should be 10 bushels higher, or 45 bushels.

Yield from grass land should be 1.75 tons of dry matter per acre.

On these estimated yields, the five-year rotation on a 160-acre farm with 140 crop acres would produce 3,220 bushels of corn, 980 bushels of oats and 98 tons of feed from the grass land.

The four-year rotation would produce 2,275 bushels of corn, 1,575 bushels of oats and 122 tons of feed from the grass land on a dry-matter basis.

The five-year rotation will produce about 1,000 bushels more corn than the four-year rotation. But the shorter rotation will give the farmer about 600 bushels more oats and over 20 tons more feed from grass acres.

How can these feed values be compared?

On the basis of pounds of feed, the five-year rotation will produce 407,680 pounds. Figures for the four-year rotation are 417,200 pounds. That's 2.3 per cent more feed from the four-year rotation.

But that isn't a fair test. Feeds have different values per pound. F. B. Morrison, Cornell University feed authority, has found that No. 2 corn has 79.2 feed units per cwt., oats 64.9 feed units and clover hay 44.5 units per cwt.

Using these feed values and the production as estimated above, the five-year rotation would produce 250,330 feed units per year. The four-year rotation would produce 239,000 feed units annually.

The farmer gains 4.7 per cent in feed units by using a five-year rotation with two years of corn, rather than a four-year rotation with one year of corn. Both rotations have two years of grass.

How will farm income from the five-year rotation compare with a four-year rotation?

For a farm operator, this question brings in markets and labor costs. If all the products could be marketed at feed-unit value, the gross income would be about 5 per cent higher for the five-year rotation, which has two years of corn.

The advantage for the five-year

To Feed-Lot These feeder cattle are being loaded on trucks. Not as many cattle came to Iowa feed-lots this winter as a year ago.

rotation would be even greater for farmers who can't market the products of the grass acres to advantage. There are 70 acres of grass in the four-year rotation and 70 in the five-year rotation.

The good livestock farmer, however, might be able to market the products of the grass acres so well that the gross income would actually be greater from the four-year rotation.

The landlord's gross return on a basis of one-half the grain, 60 cents for corn, 35 cents for oats and $4 per acre for grass land, would be $1,361.50 for the five-year rotation and $1,238.12 for the four-year rotation.

The increased gross returns would be $123, or about 10 per cent in favor of the rotation with two years of corn.

To find the net income, labor and expenses would have to be compared. The 21 acres more corn in the five-year rotation would require extra labor and fuel. The advantage here is in favor of the four-year rotation with half the land in grass.

How would the loss of soil fertility compare as between the four and five-year rotations?

The advantage is all in favor of the four-year rotation with one year of corn and two years of grass. It is corn crops that open up the land so it will wash, and corn also depletes the organic matter in the soil.

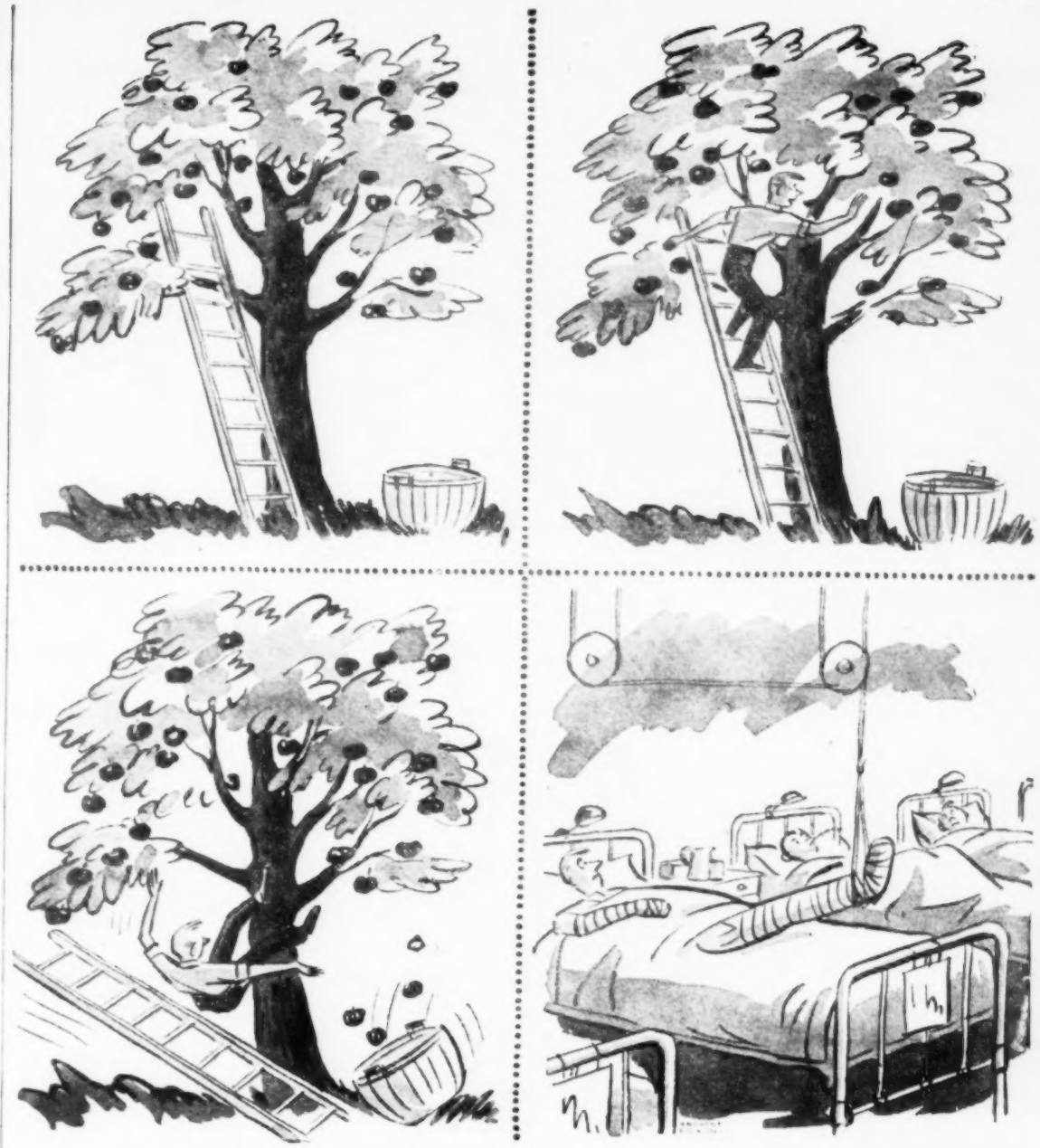
Tests at the Page county, Iowa, experimental farm show that 18 tons of soil are lost per acre in the corn crop that follows legumes. Over twice as much is washed away when corn follows corn.

Organic matter is lost more rapidly, too, when corn follows corn. Story county, Iowa, tests show a loss of almost 19 per cent of the soil organic matter in 20 years of corn following corn.

Less than 12 per cent of the organic matter was lost in 20 years of a three-year rotation of corn, oats and clover.

The farm with the four-year rotation plus a livestock program could be expected to get better each year.

With the five-year rotation, and 40 per cent of the land in corn each year, most farms will become poorer. There will be a constant loss of soil and organic matter that will finally reduce yields.



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Stop! Stop that accident before it gets a head start. It takes less time to move a ladder than to heal a broken leg. Remember—a minute of prevention is worth a *month* of cure!

Speaking of prevention, one important way to prevent accidents and costly breakdowns of farm machinery is to be sure you are using proper fuel and lubricants. Impurities in gasoline can cause loss of valuable time (and temper!) An oil too thin and light for the job it has to do, may result in irreparable injury to the parts of your engine. You may save a few cents per gallon, but add dollars to your repair bills!

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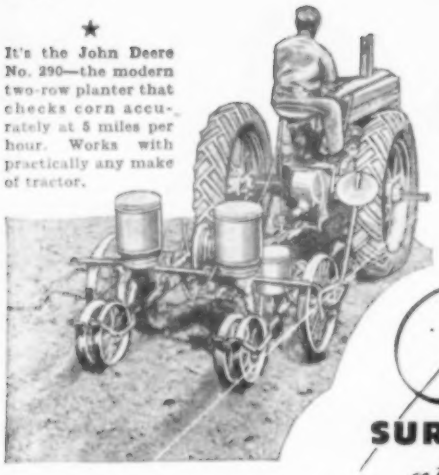

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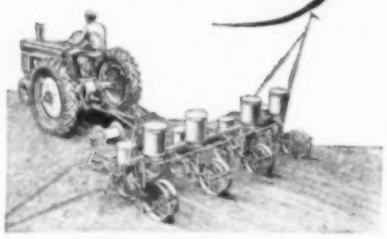

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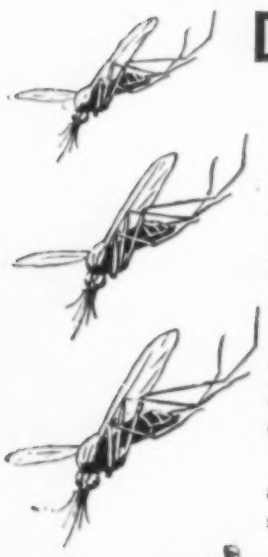

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Hog Count Up; Cows Down

MORE hogs, chickens and turkeys were on farms of the United States, January 1, 1946, than on January 1, 1945. Milk cows, all cattle, sheep, horses and mules decreased during 1945.

This statement comes from the Crop Reporting Board of the Bureau of Agricultural Economics. The information is furnished by crop correspondents and cooperating state agencies.

Hog numbers were estimated at 62 million, in round numbers, for January 1 of this year. This is 4 per cent more hogs than one year ago. Chicken numbers were up almost 3 per cent, and turkeys increased 19 per cent during 1945.

Milk cows for all the farms of the country decreased 3 per cent in 1945; cattle numbers, including both beef and dairy, were down more than 2½ per cent; sheep decreased more than 7 per cent; horses 7 and mules 6 per cent.

Comparing livestock numbers on farms on January 1 of this year with the 10-year average from 1935 to 1944 shows that all classes of livestock have increased over the 10-year average except sheep, horses and mules.

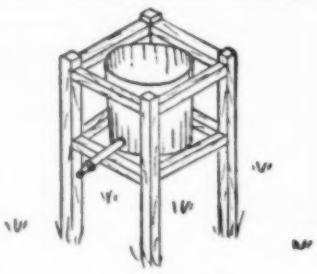
According to the January 1 inventories, farmers are raising about 13 per cent more hogs now than they did as an average of the 10 years before 1944. The average count on January 1 for the 10 years was 55,300,000. This year it was 62,344,000 head.

Iowa and Illinois hog numbers were up 11 per cent on January 1, 1946, compared with January 1, 1945. Nebraska had a 23 per cent increase in 1945; Minnesota, 16 per cent up, and Missouri, 3 per cent.

Numbers of hogs showed an increase in all north-central states except North Dakota and Michigan, which showed decreases of 5 and 3 per cent, respectively. But the trend in milk cows was in the other direction.

Cows and heifers kept for milk increased 1 per cent in Wisconsin. All other corn belt states had decreases. Iowa, Illinois and Minnesota milk cow numbers were down 4 per cent during 1945. Nebraska 10 and Missouri 6 per cent.

Including all cattle, Iowa totals went down 8 per cent during 1945. Illinois cattle numbers went down 3 per cent, Minnesota and Nebraska 4 and Missouri 7 per cent.



Lamb Feeder

Here is an idea for feeding lambs that have to be fed by hand. Solder a short piece of pipe on a bucket and put a nipple on the pipe. The pipe should have a rim on the outer end to hold the nipple, and the bucket should be placed in a frame. Keep clean, and let the lambs help themselves.

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CONTINENTAL

ELEVENTH AT BALTIMORE

First Aid for Stock

Lay Eggs, Then Die In the Nest

To the Editor: I am losing three or four hens each day. These hens have good, healthy looking combs and are not droopy. But they lay their eggs and die in the nests. I have been told it is leukosis complex and there is no cure for it.—A. A., Whiteside County, Illinois.

The disease known as leukosis shows many different symptoms, because different organs, or sets of organs, may be involved.

One form of the disease is called range paralysis. In this, the nervous system is diseased and paralysis in various forms is seen. But your hens apparently have the form which attacks the internal organs.

In this type of leukosis, enlarged livers and spleens are often seen. There may also be large internal tumors on various organs.

The cause of the disease is a virus. It is believed that the virus lives in the soil, so may break out at any time where previous outbreaks have occurred.

No cure is known for birds that are affected. However, many of them can be detected very early in the course of the disease by a change in the color of the iris of the eyes.

In healthy birds, the iris is usually a red-bay in color. Affected birds often show a gray to white discoloration in the eyes some time before they come down with the disease.

Thus, a frequent culling of the flock, discarding birds in the early stages, makes it possible to reduce the loss from death later.

Asks About "Bull-Nose" And "Sniffles"

To the Editor: I think my fall pigs have the sniffles. They sniff all the time, but especially when they get out of the nest. What can I do?—M. J., Butler County, Iowa.

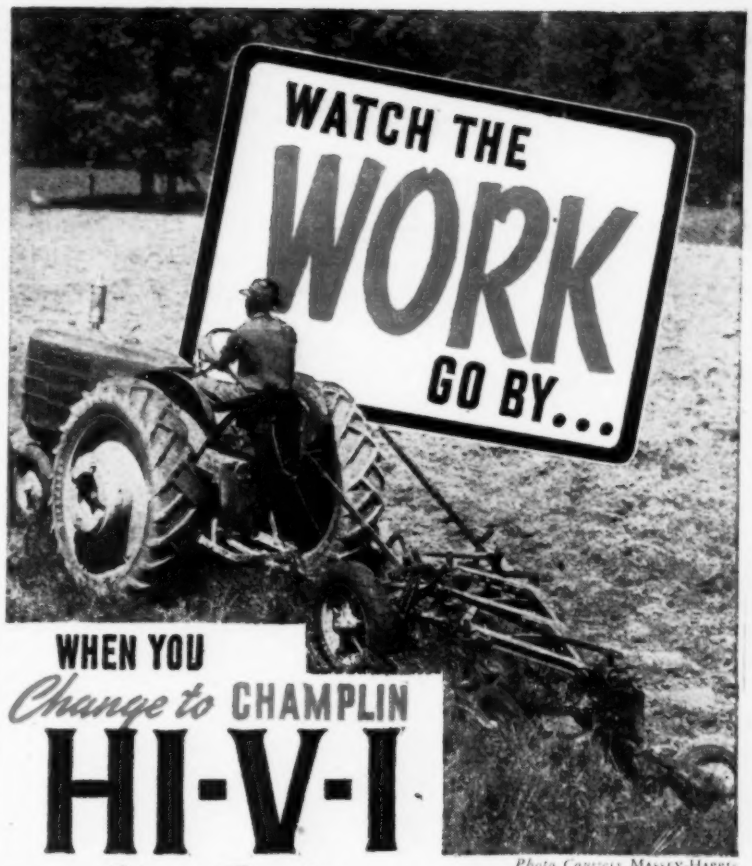
This disease we call "sniffles" and "bull-nose" is caused by infection of wounds in the mouth. It may occur at teething time. The germs may be in dust that carries common pus germs, or in some cases there may be more specific germs of fungi that are sometimes in the soil.

The only control is to get rid of all the infected pigs. Discharges from their noses and mouths will keep the ground infected.

Then clean up the yards and buildings where the pigs have been. For the clean-up of floors, use disinfectant in liquid form, as in dry form it will not contact all the germs.

Let the direct sunlight into your pens as much as you can.

When little pigs come, keep them on clean land at least during the first weeks of their lives, when the mouth and nasal membranes are thin and tender.



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Kill Those GOPHERS

GOPHER DEATH will rid your farm of gophers, ground squirrels, prairie dogs etc. Handy tablets—safe, cheap, easy to use. Famous for over 30 years. At all druggists and seed stores. Interesting Gopher Booklet FREE. Write

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Beautiful new prints. Large colorful pieces. 3 lbs. (18 to 22 yds.) only $1.49 plus postage. Sent C.O.D. **FREE! EXTRA!** Five hundred yds. good white 50 thread **FREE** and 16 lovely quilt patterns all sent **free.** If not perfectly satisfied, just return quilt pieces (keeping **free** sewing thread and **free** quilt patterns for your trouble) and we will refund your $1.49 plus all postage spent. BOTH ways! You be the judge. You can't lose. Could anything be more fair? Compare our offer and liberal guarantee with others. **Send No Money!** Just mail a card **Today.** Act Now!

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Homemaking Department

By ZOE MURPHY

Mrs. Don Kirkman, a farm woman of Polk county, Iowa, has started remodeling her kitchen. She is taking off the wallpaper from the section that is to be a new breakfast nook. The two new windows, overlooking the back yard, will make the nook a very pleasant eating place.

Remodeling a Farm Home

WHERE do you start when you remodel? The floors need fixing, the plastering is cracked, you would like to do something about the windows, and it's hard to tell just where to begin.

Perhaps the first thing to do is to check the house, to see if it is structurally sound and will stand remodeling. Go into the basement—if you have one—and check all of the wood posts and beams, and see if they are sound and strong.

If the wood posts are failing, it's best to replace them with iron pipes.

There is a new type pipe column with a screw attachment at the base, so that you can set up the column and raise it to the desired height under the floor load.

Plaster cracks because the wood that supports it settles and moves. And if it's at all possible the house structure should be raised to its normal position before a remodeling job is started. If the wood beams are in bad shape, it might be wise to replace them with steel. Steel has the advantage of not shrinking, and in this day of wet lumber there is a considerable advantage in using steel in that position.

Now what about the floors? If your floors are made of soft wood, you might be interested in the light weight three-eighths-inch pre-finished flooring that will be available soon. This flooring is cut in squares, is of oak, and can be nailed down directly over the old floors.

The nice thing about this flooring is that it is already sanded, finished and waxed.

The kitchen floor is generally the worst in the house because it receives the hardest wear.

If you plan to get new linoleum, and your floors are pretty rough, lay down over it a quarter-inch or a half-inch thickness of ply-wood. This will provide a smooth surface over which the linoleum may be laid.

You might be interested in asphalt tile for your kitchen floor. This tile will wear longer with less upkeep than linoleum.

There are few old homes without cracked plaster. And replastering is a messy job. If the plaster is in bad shape, it means a complete job, which is often long and expensive. You may want to consider an easier and a more direct job.

Plywood can be applied directly to the walls over the old plastering. It is clean and flexible, which means that it does not crack.

Place 1x2-inch nailing strips on top of the plaster and nail them directly to the studs behind. You may have to cut into the wall here and there to find the facings of the studs, but in general they will be uniformly set at 16 inches on center.

Nail these 1x2-inch strips thru the plaster, and be sure that the nails are held securely by the studs behind. Then get quarter-inch plywood in some finished surface—gum or oak or walnut, if you wish—and nail to the strips. Cut the edges to form a neat "V" joint.

It can be painted or finished naturally, or paper will go over it easily. It's a clean, easy job in comparison with plastering. Plywood will be available in the near future, at a reasonable cost.

There is a special advantage in using plywood on the ceiling, even tho it is not used on the side-walls. For ceilings, plaster is the most vulnerable to cracks. Plywood sheets 12x4 feet in size will reach across the ceilings of most rooms. There will only be the single joints every four feet to worry about.

Insulite tile or boards may also be applied on a ceiling. Insulite is fairly cheap to install, and it tends to have sound-absorbing qualities which are desirable in most homes where there are children.

Few farm homes have sufficient windows. There are very few older houses that would not be improved by adding a couple of French doors or one or two large windows to the living room.

It seems too bad that so many of the good views around farm homes are shut out from the house.

A large window over the sink in the kitchen gives the mother a sense of security if she can watch the children play while she is at work. It makes the kitchen lighter and brighter to work in.

Many kitchens have plenty of window space, but in the wrong places. A few well-placed windows can do more to change the character and atmosphere of a house than any other one item in remodeling.

The cost of installing a picture window is not too great, and it is surprising what a fine effect it will have upon the home.

If you have double hung windows or casements in good locations, it might be a good idea to have them weather-stripped, for comfort of the family as well as for smoothness of operation.

Old windows rattle, let in cold, and are hard to operate. A smooth job of weather-stripping will almost save the cost in fuel.

The kitchen—which so often needs so much and gets so little attention—can be modernized easily with the new pre-fabricated steel and wood cabinets.

Most of the cabinets can be installed with four screws in the back, set in the wall. The only problem of setting them up is adjusting them to make a straight line.

This is not a major remodeling job—it is simply one means of getting work and cupboard space in a poorly equipped kitchen.

But if your kitchen can not be modernized, and if you need more room in your living room or dining room, it might be easier to tear out the walls, making larger living room space, and extend a wing out—about 10x12 feet in size—for a new kitchen.

Put in plenty of glass, and run your cabinets in "U" shape, to follow the three exterior walls. This would give you a brand-new kitchen which could contain all of the new equipment if and when you want to add it.

(Continued on page 34)

New Farm House Plans

Robert Cerny is an architect from Minneapolis who has done much research in architectural needs of farm homes.

We have sent him your suggestions and he expects to work out from them home plans to fit farm needs.

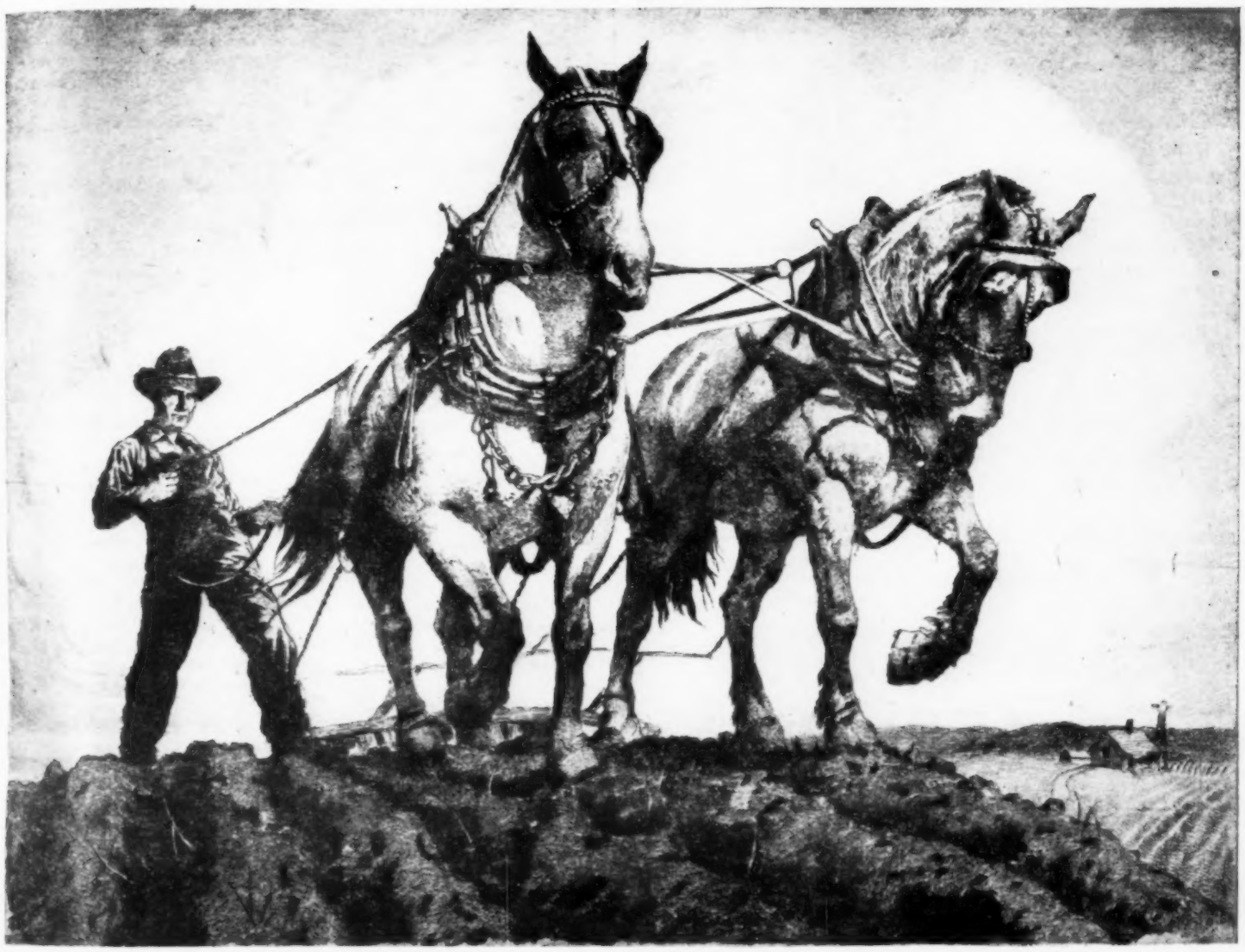
The article on this page was written with Mr. Cerny's help and suggestions. There will be more articles in this series.

Besides being a member of a prominent Minneapolis firm, Mr. Cerny is consulting architect for the University of Minnesota.

Robert Cerny

PART OF THE AMERICAN SCENE

Plowman and Team...



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"Spring Plowing," an etching by Louis Szanto. This Hungarian-born artist left Budapest for America in 1928. He is best known as a portrait painter, and has done portraits of many prominent Americans.

and it's Maxwell House wherever you go

FARMER AND TEAM . . . plowshare and furrowed field . . . all part of the American scene. And just as truly a part is Maxwell House, the coffee bought and enjoyed by more people than any other brand in America.

At sunup and sundown, any hour of the day or night, it's Maxwell House Coffee Time in the homes of millions of Americans. True coffee lovers turn to Maxwell House for its friendly cheer, and delicious *extra* flavor. Yes, Maxwell House can truly be said to be the great American cup of coffee . . .

Because 1. FINE QUALITY COFFEES, from Latin-American highlands, are skillfully selected for that unmatched Maxwell House blend.

Because 2. EXPERT BLENDING—by master craftsmen, who know the special art of combining choice coffees for extra flavor goodness.

Because 3. RADIANT ROASTING develops the original flavor goodness of Maxwell House to its vigorous strength. Vacuum-packing preserves it, roaster-fresh, at the peak of its perfection!

Tune in . . . Maxwell House Coffee Time . . . starring George Burns and Gracie Allen, NBC, Thursday night.

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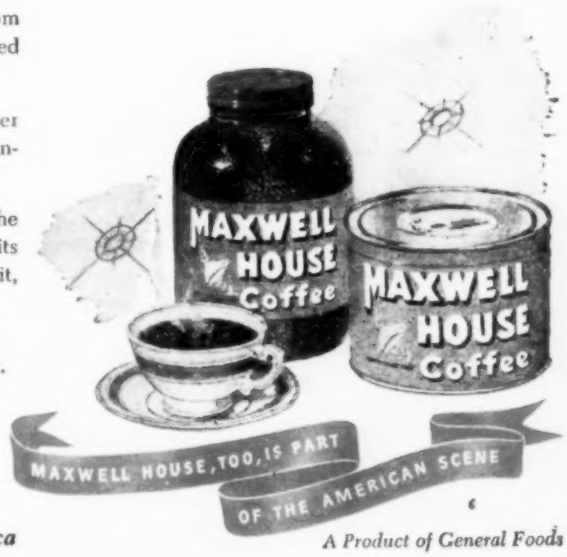
GOOD TO THE LAST DROP!

No wonder it's bought and enjoyed by more people than any other brand of coffee in America



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Just dissolve Fleischmann's Dry Yeast according to directions on the package. It's ready for action in a few minutes.

Fast Acting Dry Yeast stays fresh on your pantry shelf for weeks!

IF YOU BAKE AT HOME—"baking day" is any day you feel like it with Fleischmann's Fast Rising Dry Yeast. Yes, you can make delicious bread at a moment's notice because Fleischmann's Dry Yeast stays full-strength, potent for weeks on your pantry shelf—ready for instant action whenever you want it.

No worry about being "caught short" without any yeast in the house—no spoiled dough because yeast weakened before you could use it. Fleischmann's Fast Rising Dry Yeast will be as fresh for weeks . . . as fast acting as the day you bought it. Get Fleischmann's Fast Rising Dry Yeast today. At your grocer's.

John S. Maley, of Hardin county, Iowa, comes into his pleasant new kitchen. The double windows above the sink overlook the barnyard.

Remodel Your Home

(Continued from page 32)

There may be a time quite soon when standard pre-fabrication units — complete with cabinets, linoleum floor, and all the equipment—might be manufactured and shipped out to individual farm homes in a huge crate. This unit could be set flush with the house and doorways cut thru with a minimum amount of work and muss.

This same kind of planning may be applied to the bathroom. Too often, a bathroom that is added to an older house is crowded into a closet or an inconvenient corner, with the plumbing on the opposite side from the drainage system.

Sometimes, it is easier to plan the building of a separate unit to the house—one that would be big enough to include a closet, storage space and possibly a place for a hot water heater.

It is anticipated that pre-fabricated bathrooms will be available eventually and can be attached much more easily than they can be built.

Finally, a word about a modern electric wiring system. Don't go to the work of remodeling your home without having the electric wiring system completely checked.

One of the great dangers in any farm home is that of fire, for fire protection scarcely exists in rural areas. After a period of years, insulation on wires breaks down, and there is a very definite danger of fire.

This fire hazard can be eliminated by replacing all dangerous and faulty wiring with modern cable, which is completely insulated and protected.

While you're at it, have a few extra convenient outlets around the house, for the radio, lamps and particularly the kitchen. The constant adding of many good pieces of electrical equipment will require many outlets.

Four or five cords plugged into a single outlet is a dangerous thing to do, because it overloads that particular circuit. It is much better to provide adequate outlets in convenient locations.

NEW BOOK

A new booklet, "Modernizing a Midwestern Farm Home," by C. H. Van Vlack and Ruby Simpson, of Iowa State College, is just out.

It contains a great deal of useful information for remodeling a farm house.

Write to the Bulletin Editor, Iowa State College, Ames, Iowa, if you wish a copy of the booklet. Or ask your county extension director.

About Automatic Washers

EVERY woman who wants a new washing machine is trying to decide the comparative merits of a regulation washer with an automatic.

One point she wonders about is how much water an automatic requires. Could her present water system supply it? What size tank will it take, and will it be too expensive to equip her home to use an automatic washer?

Here are figures arrived at by the laundry equipment department of a big electrical appliance company:

Regular washing machines used 96 gallons of mixed hot and cold water for the average wash of four loads, based on filling washer and two rinse tubs twice during the laundering period.

Mixed hot and cold water use of the automatic was 82 gallons for four loads, with six more gallons per load if it was necessary to pre wash clothes, an operation comparable to overnight soaking in a washing machine laundry.

In an automatic washer, however, it is claimed the same results are obtainable within a few minutes.

Higher temperature of wash water results in cleaner clothes the study finds. Usual temperature for washings is 100-120 degrees, but cleaner clothes are obtained in water of 140-145 degrees

COUNTRY AIR

By ELIZABETH C. WHERRY

GENTLE Reader, if I have written clearly, and if you have followed me as closely as you sometimes protest you have, you know that our family consists of two sons. We've always liked it the way it is, but we've missed something—having no daughters.

This week, I spent several days in the home of kinfolk who have two daughters, and, for the sake of every family which has daughters, I'd like to talk it over.

One girl had just tossed an excellent job out the window in favor of a nice lieutenant fresh out of Europe. The other had sent a doctor husband off to the navy some time ago, and come back home with a cunning baby daughter.

When I arrived, plans for the one daughter's wedding were in full swing. Household project No. 1. The other daughter's baby—we had made merely a peeking acquaintance at the hospital—had everybody stopped, and everybody said we "must not spoil her." Household project No. 2.

If there's a woman anywhere who isn't intrigued by the details of a church wedding, I haven't met her. If there's a woman anywhere who can resist hanging over a bed, whether the baby lies peacefully sleeping or kicking its bootees from gleeful pink feet, I haven't met her, either.

Well, there I was in a household plunged in two absorbing feminine projects.

The wedding plans moved on—list by list. Gifts arrived at the door. The phone rang constantly. The groom insisted on forgetting the license. The bride proudly owned three pairs of nylon hose.

A handsome captain showed up as best man, calmly handling such items as the wedding rings, the envelope for the preacher, and the shining new used car. (Every other man on terminal leave said, awesomely, of the car: "How did you get it?")

The ushers, also on terminal leave, drove in. They'd read Emily Post all the way there, they declared, and accepted their white tapers and general briefing with commendable gravity.

They lit the candles at the exact moment, they seated the bride's mother to the music of Ave Maria, and squired all the ladies to their seats with such dignity that you suspected ushering might have been part of their basic training.

Maybe it's just an old army custom, but I saw the groom wink at the bride as she mistily floated up the aisle on her dad's arm. See? You just can't keep away from oft-used words. That "mistily floated" is just a natural.

The reception line, the dinner, the cake properly cut, the bouquet tossed over the bride's shoulder, the going-away suit, the well-aimed rice, the dash for the precious new car. But where was it? It was missing. So were the ushers. So was the best man—et tu, Brute!

But not for long. Airily shifting the bride's color scheme, the car rolled up with best man, ushers and placards enveloped in an elaborate drapery of green and purple crepe paper streamers.

Wearily, a few hours later, after the last guest was gone, those of us left sat down to rest our feet.

And there they were, one properly shod in patent-tipped best shoe, the other shod in my everyday shoe—heavier, wider, not very shiny, and with a heel both lower and wider than the dress shoe. I'd probably gone trip-clump, trip-clump all evening. Lucky I wasn't the bride.

But that's not all that had gone on in this kaleidoscopic household. The day before the wedding there had been telegrams and then a long-distance call. The navy husband's ship was in.

He had a four-room apartment. Come. Bring the baby. So, while items were checked off the wedding list, another list was made by the other daughter. Trunk, bag and basket were made ready to take a trip half-way across the continent.

After the wedding, she hung her matron-of-honor chiffon in the closet, delved into piles of outing flannel, knitted goods and toilet articles.

She checked the long traveling lists, made up a batch of formula (modern methods are pretty wonderful), took a few hours of sleep, caught up a dewy-eyed baby at 5:30 a. m., and fixed her bath.

Away they went, to be a "navy family" for — who knows—a week, a month, perhaps. The house was a bit tossed-up and considerably collapsed in the silence.

Oh, ye mothers of daughters! Your homes are piled high with unused wedding presents, cluttered with the fragrant, intimate paraphernalia of a baby or two. Store-rooms are piled with furniture-in-waiting. Basements and bathrooms are full of dangling hose, pink underthings. There's a suitcase half-packed all the time. Now and then a uniform and an overseas cap hang briefly in the hall closet.

There are air-mail letters on the buffet, the davenport, the kitchen window. The ironing board is up most of the time. The soap flakes box is always empty. You are the clearing house for letters, telegrams, time-tables, traveling bags, bus and plane schedules.

How do you do it all?

SPELLBOUND

Today . . . See Academy Award Winner Ingrid Bergman and Gregory Peck in Alfred Hitchcock's "Spellbound". . . It's a Selznick International Picture.

Tomorrow . . . You'll be held *spellbound* by the glorious music of an Admiral Radio or Radio-Phonograph Combination. See the thrilling new 1946 models now on display at your Admiral dealer. See the famous Slide-A-Way phonograph . . . the "childproof" automatic record changer . . . and many other completely new features. Admiral Corporation, Chicago 47—world's largest manufacturer of radio-phonographs with automatic record changers . . . makers of "America's Smart Set."

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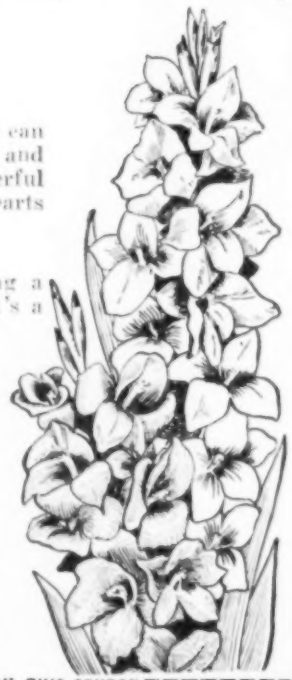
There's a pleasant surprise in store for you when you see the baking results you get with Mother's Best *Emergency Grade* Enriched Flour. This new flour is being carefully milled from the choicest hard wheats, under the strictest laboratory controls. While not quite as white as regular Mother's Best, it is definitely not "gray" in color. Mother's Best *Emergency Grade* is still the finest all-purpose family flour possible to mill under the new Government Regulations.

If your grocer has been out of Enriched Mother's Best Flour lately, he will soon have a supply of the new Mother's Best *Emergency Grade* in the familiar Mother's Best sacks. Try it soon! It's grand!

25 GLADIOLUS BULBLETS FREE

This is a Gift Gurneys Want to Send You—



Gladiolus is about the prettiest flower you can have. Grows anywhere . . . so gorgeous and gay with beautifully blended colors . . . cheerful . . . a really big help these days when hearts are so heavy.

This gift package is our way of bringing a little joy. Glad we can do this much. It's a mix of our most beautiful varieties.

These bulbs are healthy, vigorous—regular first quality, except small size. Grow tall, stately.

We want everyone to have a copy of our new Catalog & Planting Guide. This will be a reminder to you to write for your copy. No obligation whatsoever. All we ask is a 3c stamp, please, to help pay mailing. This offer is good only until present supply of these bulblets is gone. So fill out the coupon and mail right away.

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COOKERY CORNER

Caramel Raisin Pie

2 cups of raisins
2 cups of water
¼ teaspoon of salt
½ cup of dark corn syrup
2 tablespoons of cornstarch
Butter
Pastry

Wash raisins and cook in boiling water until plump. Add the corn syrup, salt and cornstarch dissolved in cold water. Have one cup of water raisins have cooked in or add enough to make that amount. Cook until raisins are slightly thickened. Pour into a pastry lined pan. Dot with butter and sprinkle with nutmeg. Cover with pastry and bake until crust is nicely browned—about 30 minutes in a 350-degree oven.—Mary Hoy, Monona County, Iowa.

Raised Doughnuts

1 cake of compressed yeast or 1 package of granular yeast
1 cup of sweet milk
1 egg
4 or 6 tablespoons of sugar
¼ teaspoon of salt
3 cups of flour

Warm the milk, add the yeast and one-half of the warm flour and sugar. Let rise and then add rest of the ingredients. Let rise once, roll and cut into doughnuts. Let these rise, and fry.—Mrs. Roger Thorn, Dickinson County, Iowa.

Casserole of Vegetables and Chops

1½ cups of cooked shredded cabbage
2 cups of cooked diced potatoes
1 tablespoon of chopped onion
2½ cups of medium white sauce
Salt and pepper
6 or 8 pork chops, browned on one side

Cook cabbage five minutes. Combine with potatoes, onions, seasoning and white sauce. Put in casserole and top with pork chops with the browned side down. Bake in 375-degree oven 45 minutes.—Mrs. Hollis L. Fenton, Boone County, Missouri.

"Help Yourself Coffee Ring"

1 cup of milk
2 teaspoons of salt
4 tablespoons of sugar
1 cake of quick-acting yeast
¾ cup of lukewarm water
4 cups of sifted flour
1 egg
2 tablespoons of shortening

Scald milk; add sugar and salt; then let cool to lukewarm. Dissolve yeast in the lukewarm water. When milk is lukewarm, add beaten egg and yeast mixture and shortening; add the flour, working it in gradually. Knead dough until smooth and elastic. Place dough in greased bowl and allow to rise until double in bulk. Punch dough down and form balls the size of a walnut. Prepare a mixture of one-half cup sugar, one teaspoon cinnamon and one-half cup of finely chopped nutmeats. Roll each ball of dough in melted butter, then in the sugar mixture. Place two rows of the rolls on the bottom of a well-greased nine-inch tube pan. Sprinkle with a few raisins or currants. Place another layer on top. Cover and let rise until light—about 45 minutes, and bake 30 to 45 minutes. Invert pan and remove coffee ring. This is easy to serve—each can help himself.—Miss Myrtle Odland, Wright County, Iowa.

Sour Cream Cookies

1 egg
1 cup of sugar
1 cup of sour cream

Beat egg, add sugar and cream and beat well.

2 cups of sifted flour
½ teaspoon of soda
1 teaspoon of combination baking powder
¼ teaspoon of salt

Sift together and add to above mixture. Nutmeats or chopped fruit may be added.

½ cup of sugar
¼ teaspoon of cinnamon

Mix together. Take one large teaspoon of dough, drop into sugar mixture, roll around till covered, then place on a greased cooky sheet. Bake 10 to 15 minutes in a moderate oven.—Mrs. Morris Doty, Harrison County, Iowa.

Apple Sauce Cake

1 cup of sugar
½ cup of fat
1 egg
½ teaspoon of salt
1 tablespoon of cocoa
½ teaspoon of cinnamon
¼ teaspoon of allspice
1½ cups of canned unsweetened apple sauce
2 cups of flour
1 cup of raisins
½ cup of nutmeats
1 teaspoon of soda
1 tablespoon of boiling water

Cream fat and add sugar cream well, add egg and beat well, add salt, cocoa, cinnamon and allspice and mix. Add apple sauce and the flour before mixing and raisins and nutmeats, then mix well. Add soda, which has been stirred in the boiling water. Bake about 45 minutes in a 375-degree oven. For company dessert, serve this with whipped cream.—Mrs. R. L. Ross, Buchanan County, Iowa.

This house isn't a hundred years old this year, but it is pretty close to it. It is the old Bonnell place, north of Donnellson, in Lee county, Iowa, and was standing when the Mormons camped in that vicinity.

Yours for the Making

No. 4726—The double front on this dress provides double its service. It wraps either to the left or to the right, and is adjustable to your waist-line. It is very easy to make, and comes in sizes 12 to 20 and 30 to 48.

No. 9339—If you want a smart-looking frock, here it is. The soft fullness, gathered into a bow, is very flattering to all types of figures. The top of the bodice and the bow are all one piece. Sizes 14 to 20 and 32 to 42.

No. 9103—Here we illustrate a nightgown that is easy to make, and has its own jacket. There are only two main parts to make. Note the empire elegance of the gown and its sweet scallops. Sizes 12 to 20 and 32 to 42.

Patterns may be secured for 16 cents each, in coin or stamps (coin preferred). Send your orders to the Pattern Department, Wallaces' Farmer and Iowa Homestead, Des Moines, Iowa. There are still delays in mailing, so allow plenty of time for your order to reach you.

An Explanation

FOR THE "SHORTAGE" OF FOLGER'S COFFEE

PERHAPS you have wondered why you could walk into your favorite grocery store and see some brands of coffee—apparently plentiful—but sometimes no Folger's is obtainable . . . Perhaps your grocer may have told you—"I just can't get enough to go around."

Actually, that situation might happen wherever Folger's is sold.

There are many reasons for this, but they can be grouped into two general classifications.

1. The kind of coffees that are required to create the Folger Flavor are hard to get

No need to bother you with the details of restrictions and limitations brought about by wartime regulations. The net result is simply that growers of the high character coffees required for Folger's have been reluctant to sell their crops at the established ceilings.

There simply have not been *enough* of the necessary coffees available for the Folger Blend.

Now if you know Folger's Coffee—and know the Folger Flavor—you know very well that it has a distinctly individual quality all its own. That flavor is achieved through blending just the right amounts of the right kinds of mountain grown coffees . . . and it cannot be obtained by substituting *other flavored* coffees. You might as well try to make a strawberry shortcake without strawberries.

2. The demand for Folger's Coffee has increased tremendously in the past five years

When coffee was rationed by the pound, smart housewives soon found out which pound of coffee delivered the most good coffee to drink. They discovered that the advantage of Folger Flavor was both greater coffee enjoyment and real coffee economy, for so many learned to use ¼ less of Folger's to make each cup . . .

. . . people found more enjoyment at no extra cost and up went Folger sales . . . and they have continued up and up, so that in 1945 Folger's roasted and sold more coffee than in any previous year.

Summing up the reasons for the present "shortage" of Folger's, you can see how the combination of wartime restrictions, with limited supplies on the one side and ever-increasing *demand* on the other side, brought about the present situation.

How long will it continue?

We at Folger's hope and work for the day when we can once again purchase in unrestricted quantities the high character coffees that are necessary to maintain the Folger Flavor . . . We hope and believe that the period of "shortage" should *not* continue for many weeks and we *do* promise that—

When you find Folger's Coffee in the stores, it is the real thing—the genuine Folger quality and flavor. We will never willingly permit a pound to reach you that is not worthy of the name.

Mountain Grown

FOLGER'S COFFEE

THE COFFEE WITH THE FLAVOR ADVANTAGE

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So start today—try Lydia E. Pinkham's TABLETS—one of the greatest blood-iron tonics you can buy to help build up red blood to give more strength and energy—in such cases.

Pinkham's Tablets help build up the RED QUALITY of the blood (very important) by reinforcing the haemoglobin of red blood cells.

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That 'Teen-Age Party

NO ONE but an expert psychologist or an old maid who is never any closer to a high school boy or girl than across the street would attempt to plan a 'teen-age party and expect the plan to carry thru.

High school classes, church groups, athletic organizations, or just the "gang," want to throw special parties now and then.

Or maybe no one mentions a party, but some mother recognizes that this long-legged, noisy bunch of nice youngsters needs a little more social training than they get in the run-of-the-mill activities. She arranges a date and invites the group in for a party.

To say what sort of entertainment would be acceptable to any given group would be like predicting the weather next Christmas.

'Teen-age people have strict rules and usages. To be in error would practically mean social ruin. What's good in one "set" might not be acceptable in another. And there's no one that can break the code quicker or more unintelligently than an unobserving parent. It behooves her to tread carefully.

Scavenger hunts seem to always be successful. The object of a scavenger hunt, of course, is to see which side, or team, turns up first with its complete list of incongruous objects.

Signatures of the mayor, school superintendent, minister or Scout leader are generally gathered with a tolerant amusement on the part of the signatories.

Don't say too much if the youngsters make out a list including the community grouch or character. It's harmless fun, and may do the grouch a bit of good to have a panting platoon of flushed youths gather at his door.

A washboard, the most ancient date in the community cemetery, a hard-boiled egg (specify whether white or brown), a cream pitcher with no handle, a discarded inner tube, a certain number of a popular magazine, a 1944 calendar, the thumb print of some local celebrity are some things to list.

A whole evening of contests from relays to games of skill may continue, with points allowed for each event.

If a church group is throwing the party, let the relay be a matter of seeing which side can put on a church supper in the least time.

Pass such items as a glass of water to the ends of the lines and back. Then (one at a time) pass a sandwich, a head of lettuce and a cream puff on a plate (any slippery object will do).

Our American love of low comedy will be charmed by passing to the end of the line and back the inevitable and ill-famed toothpick.

Let the games be built around the atmosphere of whatever the group represents. If it's a music contest group, let them drop clothespins in a fruit jar or milk bottle as a test of their accuracy in getting the right key. "Going out of the room" guessing games can be used for I. Q. tests.

A young minister stumbled onto a very good plan for a 'teen-age party. He happened to have just unpacked a boyhood box of various games.

There were jig-saw puzzles, patented games like "Monopoly," backgammon, checkers, wire puzzles, nonsensical card games, from "Old Maid" to "Touring," and spin-the-counter games and boards.

These were on the tables and window ledges, and the first thing he knew a number of absorbed groups were bent over Chinese checkers, picture puzzles and card games. A supply of card tables on hand is a good idea.

In another home, the small boy's dime store game of Bingo was discovered. The bean jar was raided

Lou Anne's dog really isn't a pet—he's a good stock dog, but likes attention. Lou Anne is the daughter of Mr. and Mrs. Claude Smith, of Warren county, Iowa.

for counters and an impromptu system of announcers was set up. The hostesses dashed to the kitchen and wrapped up pieces of candy, a cooky, a penny, a new lead pencil, etc., for prizes.

Paper and pencil games are out for some reason or other. Perhaps they smack a little too much of examinations.

Refreshments? Thank goodness jelly powders are again on the market. Any gelatin mixture full of fruit and with whipped cream on top goes well.

Gingerbread or cake often has more allure than cookies, tho the latter make the sugar go farther. Cocoa and soft drinks have the best sale. Iced milk is popular, and, of course, plenty of sandwiches with whatever mixed filling is used spread clear to the edge—with emphasis on that edge.

One wise mother caters to the hamburger complex of the present 'teen-ager. She buys hamburger and buns and lets the young folks help prepare them. There is a supply of mustard, catsup and onions on hand.

If there seems to be a tendency for games to lag, and the guests merely want to sit about a while and "shoot the breeze," let them talk. 'Teen-agers have their own ideas of what is fun, and, after all, it's their party.

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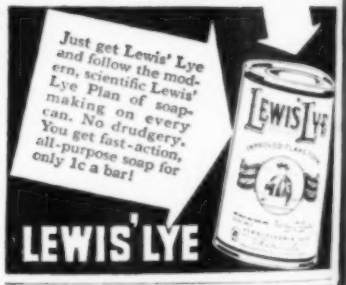

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Wife's Place on Farm

Keep Off the Tractor

Dear Editor: This is written to the women who think they have to get out and work in the fields. I know it's a grand feeling to get out and operate a tractor that a child can handle. But it seems to me that it isn't woman's work.

A mother has her place in the home, taking care of her children. How many little tots have been burned or otherwise hurt while the mother was out milking cows? It would take years and years of milking to pay for some accidents.

A woman should be ready and willing to run errands, get machinery repairs, shut off the tank, chase the hogs in case they get out. If you don't think a farmer's wife has plenty to do, just watch her.—Housewife, Audubon County, Iowa.

No Need for Doctors

Dear Editor: I have been interested in the letters from farm women about helping with outside work. I was born and raised on a farm, and now I'm 70 years old. I have helped with everything from cutting cordwood to driving four horses on a binder. We raised three children.

If the doctors and beauty parlor operators had to make a living off me, they wouldn't have done well. —Laura Guniesey, Sioux County, Iowa.

We Work Together

Dear Editor: Mrs. X, of Ida county, Iowa, thinks a woman's place is in the house during corn-picking time.

I don't think Mrs. X can love her husband very much if she does not want to help him with his work. If I did not help my husband, he would be picking corn until Christmas. The weather is pretty cold, anyway, before the last corn is in, and feed-lots have to be arranged while the posts can still be set.

My husband and I work together when he needs me.—Mrs. A. B., Carroll County, Iowa.

Not Worth It

Dear Editor: Women spend too much energy outside, and get so little out of it. We have been married for over 30 years. I always raised several hundred chickens and milked from six to ten cows. I've done all of my own housework, papering, repairing and painting. The last few years, my health has broken down, and I don't have money for anything.

Now I feel that there is nothing to live for but the children. I have never heard of a husband treated that way by his wife. Is there one?—A Rebel, Mahaska County, Iowa.

A "Silent Partner"

Dear Editor: Evidently "Indignant Mrs. X" doesn't consider herself a partner in her husband's business. Or is she one of those "silent" partners who just wants to share in the profits without any worry about all the trials?

Does Mr. X notice his "spick and span" house when he comes in so tired that it takes a real effort to wash and eat? Does it make him feel better to see a "refreshed" wife—probably eager to go somewhere?

Does Mrs. X enjoy taking things "easy" instead of making things easier for her husband?

No, I don't do field work, because I have two pre-school children, besides the three in school. But I help with milking or other chores, keep the farm records, and aid my husband as much as possible.

I'm sure he appreciates that, even tho the house isn't "spick and span" all the time. And I, too, am cross and tired at bedtime.—Mrs. Charles H. Wiese, Jr., Scott County, Iowa.

Lines From ...Aunt Lib

ON CHILDREN

THE baby crop has been extra good lately, they say. Let's hope they're all good babies and grow up to be good citizens. But it's the home and training they get in their early years that sets 'em out on the road they're gonna take.

So let's hope they're born with good parents. It's example more than precept that a youngster will follow. If parents are honest and loving, the child is pretty likely to be the same. But if a youngster is told, "Go to sleep and we'll be right here downstairs," and then wakes up to find his parents gone to a party or something, he gets wise to the deception.

Aunt Lib

It's good to have rules and be firm with the young ones, but if a parent breaks over once in a while, when her child is feeling lost or scared, and gives in just on account of plain love, I know it won't hurt that youngster.

The Lord Almighty does that plenty of times for us, when, in pure justice, we should be bearin' the consequences of our sins.

I don't like to see older children tryin' to discipline the little ones. It's apt to be more in jealousy and self-interest, and the younger ones will turn out either too self-assertive, or go the other way and be too timid.

I'm most sorry for those married couples without any children. As people grow older, they realize what a blessing children are. If you can't have a child of your own, I'd say adopt some baby that needs a home.

Having a routine about the daily chores, and keeping the little fellows occupied, are the secrets of a smooth-running household.

That taxes the mother's ingenuity, too. Just like Billy's mother, one time, when the young son came up to her and said: "Billy don't know what Billy wants to do."

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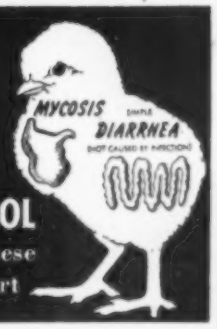

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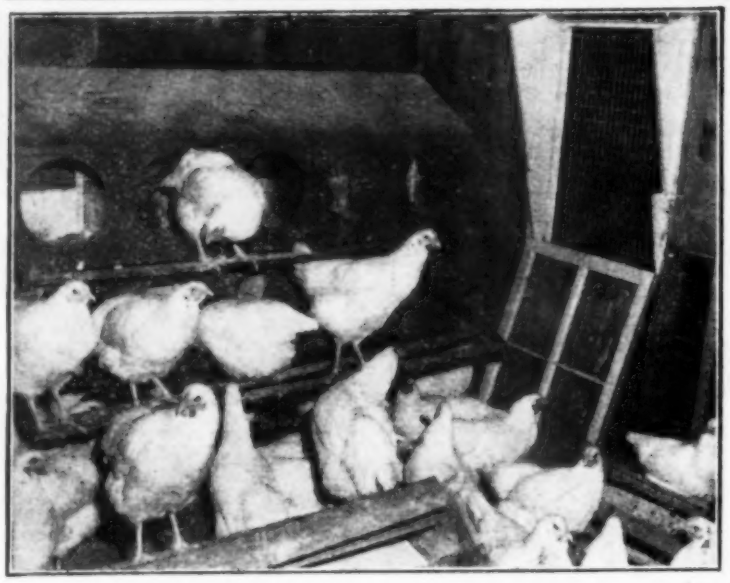
THE FARM FLOCK



Metal Nests with removable bottoms are shown in the poultry house where Mrs. Russell Sawin, of Poweshiek county, Iowa, keeps close to 1,000 layers. The nests have removable bottoms.

Clean Up For Chicks

Head Off Diseases by Good Cleaning Job

IT IS too late now to think about all the things which should have been done during those late fall days — things which would have made our spring preparations for baby chicks very simple.

We hope that every one else was forehanded and moved their brooder houses to the location previously chosen for early brooding. We hope that every house was cleaned thoroly at that time, and that there remains nothing to do now but to spray houses, set up brooders and feel very smug.

We could add that all feeders, baby chick waterers and the customary rolls of foot-wide poultry netting, along with all of the accumulation of things which you have found practical in your own situation, should all be together in some convenient place, clean and ready to go.

We could wish this for every one, ourselves included, because this is one year when we do not feel quite prepared. One brooder house has been the home of the many kittens which the small son enjoys.

It was cleaned and closed for the winter, but we relented when the cold days came, and let the mother cat make it her headquarters for the winter.

Another house has been a haven for a flock of guineas thru the bitter weather. I don't know why we keep them from year to year.

Our third house was converted at the close of the early brooding season into a "shack" for the son. It was the mecca for the entire younger set in our neighborhood, and we decided that boys and girls are just as important as chicks, and that we would keep it for that purpose for a few years.

We have replaced it with a similar house used by a neighbor for a couple of seasons.

So we have work to do. The equipment is all together, but there is much to be done before it is ready to use. We expect to appropriate one of the individual pig pens and make a place to keep the feed supply outside of the brooder house this year.

One such house can service all three brooder houses, and will add quite a little floor space.

We are very proud of the fact that we have a good supply of litter on hand. We bought it directly from the car in which it had been shipped. We expect to use a new system with it.

We have enjoyed our deep litter in the laying house so much this winter. We are going to try to make it work in the brooder houses.

This plan is recommended by many authorities. Only today I read an article on coccidiosis, and the writer made the statement that "deep, dry litter, stirred frequently, is one of the best ways of combating the disease."

We know that deep litter keeps a dry laying house, and if we can use the same method we will save a lot of work.

Last year, during the late, cold, rainy days, we changed litter in three brooder houses almost daily and even raked the ground around the houses.

Perish the thought that we have the same sort of a spring.

I don't like water in any form for cleaning wood. We prefer to scrape the wood thoroly and then use a good disinfectant. This must be done ahead of the arrival of the chicks. But, of course, you'll need to clean and disinfect regularly, too, after they come.

We found some lice on our flock this week and used Blackleaf 40 at once. One wonders where the lice come from when you have not seen them all winter and the hens have not been out-of-doors. Once again, "eternal vigilance" must be the motto of any flock owner.—M. B., Jasper County, Iowa.

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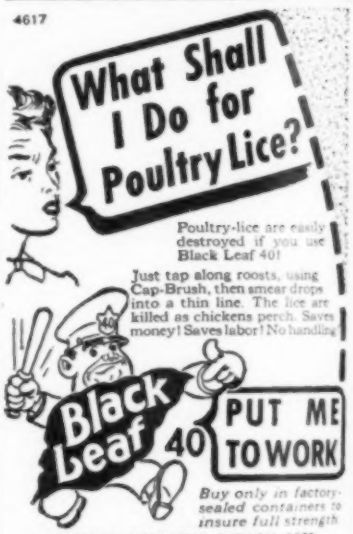

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Sarah Jane Says:

We're Going to Move

To the Editor: I canned some non-laying hens last week, and may do a few more before we sell those we can't move.

I hate to sell any of them. They are so pretty now with their big, red combs. They enjoy scratching the oats out of the chaff.

They eat their quota of bran, and it seems they devour more mash now than when we had milk for them.

Our one desolate little cow does not furnish enough milk for the hens to get much.

I hope it will not be too long before we are established again with cows and hens, and also sheep.

We can't get our place till April—or very nearly then—so these warm days make us rather restless, tho there is enough to do, what with taking machinery apart and loading and packing it, and so on.

We haven't decided exactly how we are going to manage the dog, the pig and the horses. It is something like taking a fox, a hen and some corn across the river. (Or was there a goose in the story?)

In sorting books, I found a day-by-day translation I made a long time ago from Cicero's "De Senectute," on his discussion of "Old Age." I doubt if I could read it in the Latin now without a lot of bother, but I'm glad I wrote out those lessons, if it does sound stiff and clumsy.

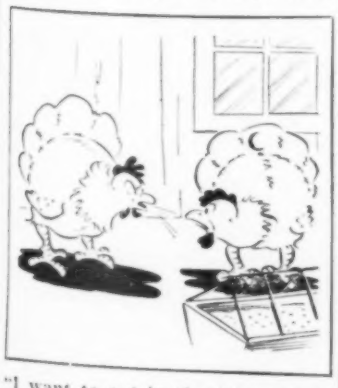
In Chapter 15, he discusses the pleasures of husbandmen, or farmers. Old age does not hinder the farmer's delight in the way seeds sprout.

Cicero seemed to know all about the culture of grapevines. He spoke of pruning, grafting, training the vines on props, of irrigating and fertilizing. He went on to say that not only are vineyards and corn fields a delight to old age, but gardens and apple orchards were also.

He said cultivation of the fields and gardens was beneficial to health, and furthermore he liked to have plenty of food.

"For the careful farmer," said he, "always has a full cellar, full olive oil casks and the pantry and the whole farm well supplied with pigs, kids, lambs, chickens, milk, cheese and honey."

Cicero would have been a good booster for the good gardens we are supposed to have this year.—Sarah Jane, Warren County, Iowa.



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Wyngarden Farms & Hatchery, Box 16, Zeeland, Mich.

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Farm Folks...
...Make Farm News

Bruised Arms and Legs Roy Bonnes, of Pottawattamie County, Iowa, at the spot where the frozen corn fell over and covered him three feet deep. His father, H. L. Bonnes, who dug him out, stands over him. No broken bones, but badly shaken up.

Corn Buries Man Three Feet Deep

Roy Bonnes, a farmer of Pottawattamie county, Iowa, was buried three feet deep in corn when a frozen outside pile he was digging at fell over on him.

His father, H. L. Bonnes, 71, who was working nearby, heard the crash, and, unable to see his son, began digging at the pile of corn.

"He was lying there with the wind knocked out of him and almost unconscious," said the elder Bonnes. "One hundred bushels of the frozen stuff had fallen over on him."

"I thought it was the end," said Roy. "When they X-rayed me they found no broken bones, but this leg and arm are mighty sore, discolored and bruised."

Quarry Stone For Parish House

Farmer members of the Washington Prairie church, in Winneshiek county, Iowa, undertook the job of quarrying the stone for a new parish house. The parish house will match the natural limestone church, which stands on a high hill five miles from any organized community.

Many of those who are quarrying the stone for the parish house are grandsons of the men whose hand-work prepared the stone for the church building.

Men of the Washington Prairie church are taking turns on the quarry crew. Each one expects to break out his share of the 200 tons needed. They use no dynamite, which might shatter the rock. The whole job is hand-work.

On a recent visit, the following men were working in the quarry, owned by Oscar Bruvold, preparing the stone: Arve Johnson, Conrad Arness, Henry Bakke, Vincent Jacobson, Carsten Jacobson, Thomas Haugen, Pastor Engebretson, Hilder Olson and Ole Anderson.

Others were Harris Bruvold, Helmer Orvella, Henry Rogenlien, Jacob Lee, Earl Moe, Willard Orvella and John Hegg.

Forty-Year-Old Pony is lifted by Larry Weihs, Shelby county, Iowa. His father, Lawrence Weihs, says the pony's age explains why he is so tame.

Danger of Disease Among Baby Chicks

Success in raising Baby Chicks depends largely upon proper care and management. Readers are warned to exercise every sanitary precaution and beware of infection in the drinking water. Baby Chicks must have a generous supply of pure water. Drinking vessels harbor germs. Drinking water often becomes infected with disease germs and may spread disease through your flock before you are aware. Use preventive methods—use Walko Tablets. For over forty years thousands of poultry raisers have depended upon them. You, too, can rely on Walko Tablets as a valuable antiseptic to aid in preventing the spread of disease through contaminated drinking water.

Remarkable Results Raising Baby Chicks

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CEILING PRICES FOR NEW and used feathers. Ship your feathers to this old, reliable company for cash. GOOSE—white or grey, $1.37 lb. DUCK—white or colored, $1.10 lb. TURKEY—white body, 50c lb. Highest prices also paid for goose, duck wing and tail feathers (quills) and for down feathers. Remittance same day. No deductions for handling. All shipments accepted. Body feathers must contain natural down. Send samples of feathers for quotation. PROGRESS FEATHER CO., 657 W. LAKE ST., CHICAGO 6, ILL.

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Home Grain Supplement

To the Editor: Being a woman of the farm, my particular domain is poultry. I have been studying feeds and feeding in general and applying it to my flock.

As far as possible, I believe the flock should be fed from the farm. Oats, corn, water are at hand. The flock uses kitchen scraps, insects, succulent grass and farm waste in general.

More than these are needed, even for a small flock. What the farm does not furnish must be bought.

If I kept chickens in town or on a small acreage, I might buy one of the commercial mashes that contain all of the feeds for a good poultry ration. Being on the farm, I only want a supplement.

I set out particularly to buy a supplementary feed containing protein. It's worth while to spend a little time in picking out commercial feeds.

The laws regulating the sale of such feeds are so generally enforced that the buyer can safely rely on the tag statements. Figure out the why of feeds.

Go thru the one I selected. It contains alfalfa leaf meal, dried buttermilk, Vitamins A and D feeding oil, Activated Animal Sterol-Vitamin D, 2 per cent of calcium carbonate (in addition to egg shell), fish meal, meat scraps especially good for poultry on account of calcium and protein of animal origin, 2 per cent of salt, .0025 per cent potassium iodide, cottonseed meal, linseed oil meal, 2 per cent steamed bone meal, .0125 per cent manganese sulphate, soybean oil meal, wheat gray middlings and pure wheat bran, and corn gluten meal.

I've been paying 3.8 cents per pound for this supplement, but it contains all items necessary to make the ration complete when used along with my home-grown feeds.

Corn, say at a dollar a bushel, is 1.7 cents a pound. That is one reason why I don't care to buy back much corn in supplementary feed when I already have it on the place.

A ready mixed supplement saves time and labor. By buying 100 pounds at a time, I'm sure of fresh feed. The home-grown feeds may keep hens alive, but it is the supplement that brings maximum production.

There is a point to studying the feed analysis as well as the ingredients of purchased feed. When animals have taken what protein and minerals they need, they readily expel the surplus in the form of body waste.

It would be foolish to buy a supplement with higher protein content than necessary. A feed containing 18 to 26 per cent protein is sufficient for hens fed on home-grown grains.

Much information here given is found in "Feeds and Feeding," a handbook for the student and stockman, by F. B. Morrison (twentieth edition. The Morrison Publishing Company, Ithaca, N. Y.).—M. N., Ida County, Iowa.

No one knows what we women go through!

Yes, "The Care and Feeding of Chickens" is closely akin to the care and feeding of children.

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An oily mash is better liked. It reduces the dust and prevents loss in sifting from your bag.

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S. C. Mottled Anconas	13.40	24.90	4.95
Austra Whites	13.90	24.90	6.95
White Rocks	12.90	19.75	15.75
R. I. Reds and Barred Rocks	12.90	None	None
Jersey White Giants	14.40	16.40	16.40
Heavy Assorted	11.40	None	None
Light Assorted	10.90	20.90	3.95
Assorted All Breeds	8.90	None	None

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New Poultry Disease

Stops Egg Production, But Not Many Die

Poultry experts are earnestly studying Newcastle disease, with the idea of working out a program of control. The disease has appeared both on the east and west coasts, and nobody knows if these have been separate infections or if the disease has sneaked across the states.

It is not as fatal a disease here as in Europe or Asia, where losses are very heavy. At present, quarantining of infected flocks is one of the control measures which has been proposed.

Contact and equipment are now known to spread the disease, and hatching eggs are under suspicion as a possible source of infection.

No one knows the extent of the disease, because the symptoms are rather easily confused with those of some other poultry ailments.

Symptoms vary. Gasping and paralysis are sometimes observed. Chicks can not walk naturally. They tremble, fall and make unnatural head and neck movements. About 20 per cent of those infected will die.

It seems to be a respiratory disease in adult birds, marked by a sudden drop to zero in egg production. Mortality is low.

When posted, internal hemorrhages are found on the internal organs. When such symptoms are found, one should take some of the birds to a laboratory to make sure of the diagnosis.

The trouble is also known as pneumoencephalitis. A point that has been determined is that chickens are more susceptible to this disease than other fowls.

Blackhead Is Curse Of Turkeys

Blackhead is a protozoan disease that is especially fatal to turkeys. Whip-worms of other poultry act as a means of infection for the turkeys. That is why turkey growers take such care to keep turkeys separate from chickens.

Worming young turkeys with phenothiazine at regular intervals helps control infection. Habits of care that will prevent carrying worm eggs from chicken pens to turkey quarters is another useful precaution.

Water In An Eaves Trough by Wall

Where water is piped into the hen house, an eaves trough close to the wall (to prevent roosting on it) makes a simple, economical watering device. If placed where fowls must stand on the roost over the droppings pit to drink, water that drips from their beaks is automatically taken care of, thus helping to keep the litter dry.

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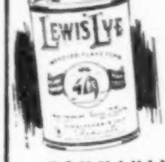

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Candling Eggs are candled by Mrs. R. M. Crittenden in a new room built onto the 96-foot poultry house in Polk county, Iowa. The addition also has a furnace and even a radio.

Turkeys On Wheels

To the Editor: Since sanitation is so essential in turkey raising, plans of growers who have attained marked success are worthy of careful study.

A grower on a farm in Liberty county, Texas, where big crops are rice and cattle, manages about 1,500 Bronze turkeys of the improved broad-breasted type.

Tractor-moved equipment (portable houses and feeders that are built on heavy skids) automatically leaves behind the droppings, which fall into pits arranged on each side of a central walk in each house.

One-inch mesh wire is employed in construction so as to make it possible to lock the birds in at night, to prevent loss from varmints.

An Illinois turkey grower has found satisfactory a building on wheels, the axles of which are lengthened by the use of two-inch water pipe. This building is double-decked, made with feeders and waterers on both decks.

When the owner chooses, the birds can be confined to the house. Lean-to roosts are built on one side. On this general farm, about 200 poults are matured annually.

There would be little advantage in the use of movable houses unless the grower is conscientious in following a schedule of moving that would keep the birds on ground which is safely clean at all times.—L. L.

Gather and Store Eggs Promptly

Under the hen is a bad place to store eggs. Eight hours under the sitter will take as much quality out of eggs as three days of proper storage. A cool, damp cellar or basement is best for egg quality.

They Work Fourteen Hours a Day

Producers of turkey eggs are using lights to give breeders a 14-hour day. This starts when the birds are about eight months old, and a little more than a month before eggs are wanted.

Yes, more and more poultry raisers are disinfecting brooder and laying houses with *pleasant, convenient* Dr. Salsbury's Par-O-San. So *easy*, so *pleasant* to use. *Economical*, too. One quart dilutes in 25 gallons of water. Ask for *genuine Dr. Salsbury's* Par-O-San at hatcheries, drug, feed, and other stores.

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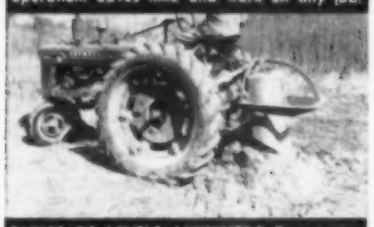
SCOOPS AND LIFTS LOAD. Dirt is lifted, not dragged, to allow greater speed and easier operation. Saves time and work on any job.



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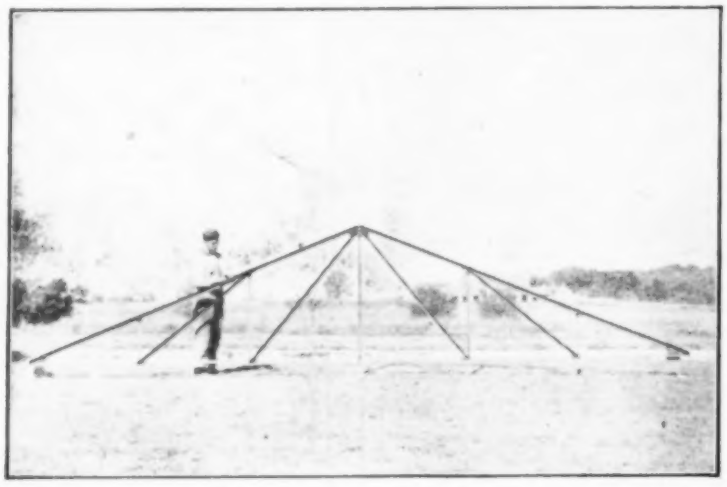
What's New
For Farm and Home?



Site Welded farm buildings of steel may become practical. They would give farm buildings permanence and also give a lot of war-trained welders jobs. If adopted by farmers, steel parts of all sizes and lengths would be stocked at small market centers, much as lumber is. The material would be moved to the farm and welded together there. A research and development program on site-welded steel construction has been carried on at the University of Wisconsin for several years. The Carnegie-Illinois Steel Corporation is sponsoring research on the subject.

Automatic This home washer fills itself with water, washes, rinses, spin dries, drains and cleans itself, and then shuts off. Has new non-clogging drain pump and speed change unit. Made by Westinghouse.

Clothes Drier performs its job in half an hour, as does the washer at left. This drier has had home-type tests at the home economics institute of the Westinghouse electric appliance division.

Once Over cuts up the cover crop, plows the land, disks and harrows, leaving the surface pulverized and smooth with the rotary plow. In operation, the 14-inch diameter spiral cutter stirs all the land with an overlapping and uniform thoroness. Driven from the power take-off on the tractor, the rotation of the cutter-bar pulls the plow along, almost eliminating the draw-bar pull. Made by the Climax Engineering Company.

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What Farmers Expect

What do you think about land booms, depression prospects, crop controls, etc? Here is a report of a wide survey of farm opinion by the Department of Agriculture.

ANOTHER depression is coming, but farmers don't know just when.

This is what most farmers predict. They think that "depressions always follow wars."

Prosperous farmers in the corn belt aren't worried too much about their own future. They figure they'll get along.

They are worried about the future of young people on the farms. The next depression may not hit the old man, but may hit son Jim.

Most farmers guessed that 75 per cent of those who left the farms during the war would come back.

Probably 1,650,000 joined the armed forces from the farms. And 4,600,000 of all ages and including both men and women went to cities and towns.

If all of these folks go back, the farm income pie will have to be cut up into small pieces.

Do farmers want government controls in the post-war period?

In the corn belt, about 60 per cent of those interviewed wanted to produce what they pleased. A minority was in favor of government planning.

In the southeast, nearly 70 per cent favored government planning.

In general, farmers who felt safe didn't want controlled production.

Farmers who were shaky about future prospects—such as cotton farmers — were anxious to have government help.

Even in the corn belt, where most farmers were willing to go it alone, nearly 75 per cent said the government should "step in and do something about it" if prices fell sharply.

Land boom worries were not great. Many farmers said they thought nothing like the World War I boom would develop.

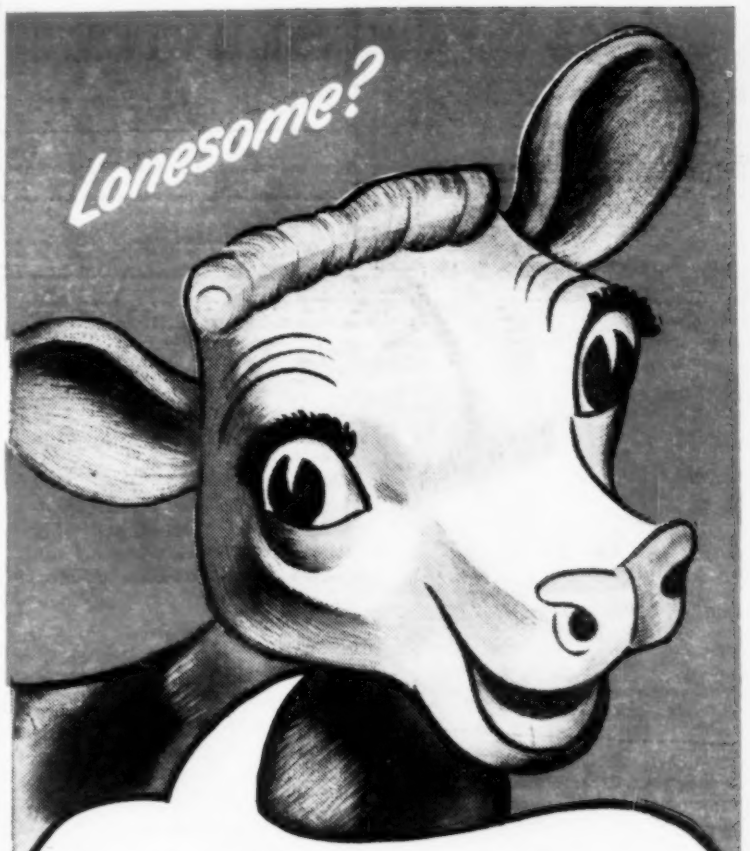
If a boom should develop, farmers favored a limit on resale profits. They also suggested a limit on the amount that could be borrowed on land.

Sewage Disposal on The Farm

Not many farmers are able to put in complete water systems now, but almost any one can get part of the work done toward fixing up a bathroom, septic tank and disposal layout.

The outside work can be handled any time when the ground is not frozen. Tile, cement and sand can be bought and stored. A farmer can lay his tile, build his septic tank, arrange for an outlet, and be all set to join up to the inside equipment when it is available.

Farm women who want to get plans made for a water and disposal system should write to the Bulletin Office, Department of Agriculture, Washington, D. C., and ask for Farmers Bulletin No. 1950, "Sewage and Garbage Disposal on the Farm." A postcard will do.



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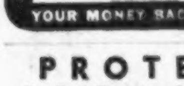

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1944 Corn Should Keep Well

We have part of the 1944 corn crop left. We want to shell and put it in bin storage in the near future. Some tell me this corn will heat and spoil during the corn sprouting season of late April, May and early June. What do you think?—C. S., Hardin County, Iowa.

Much would depend upon the moisture content of the corn at the time it was placed in the crib, and how well protected it has been since that time. Most 1944 corn was fairly well matured when harvested, and we would guess that the chance of successfully storing this corn after shelling would be good.

However, it would no doubt be good judgment to have a moisture test made while shelling, and to keep an eye on the bin after corn is stored, so you can act promptly if it shows signs of heating.

Are They Repairs Or Investment?

I have been told that in making out my Iowa state income tax report, if I claim depreciation on machinery, fencing, tile, etc., I can not deduct cost of repairs on such property. Is that true? Do I pay only half of the tax, the same as last year?—M. A., Union County, Iowa.

The Iowa income tax regulations provide that the cost of incidental repairs which neither materially add to the value of the property nor appreciably prolong its life, but merely keep it in ordinary efficient working condition, may be deducted as expense. This would be true regardless of whether or not you were deducting depreciation.

But note carefully that if the amount spent for repairs adds to the value of the property or appreciably prolongs its life, it should be added to your capital or investment account and eventually recovered thru the yearly depreciation process.

Furthermore, amounts expended in the nature of repairs (including replacements or improvements) on newly acquired property, in order to fit such property for intended use, are not deductible as repairs, but must be added to the cost of the property for recovery thru the annual depreciation allowance.

The law cutting the Iowa income tax in half was continued for the years 1945 and 1946. The 50 per cent credit is deducted at Line G, Item 17, of the state income tax report.

Should Operator Pay For Gasoline?

My son operates my farm on a 50-50 basis. He furnishes machinery. I furnish the extra help if any is needed. I pay all taxes, keep up fences and furnish half the seed corn and all the clover. Should I pay for half the fuel for the tractor?—F. C. H., Mahaska County, Iowa.

Of course, there is quite a bit of variation in share farming arrangements, but probably the greater number of them provide that the tenant or operator furnishes all labor. In many cases, the tenant and landlord share equally such operating expense as gasoline for the tractor.

Since you are standing the cost of any extra labor which might be necessary, perhaps it would more nearly balance up your arrangement if your son paid for all tractor gasoline.

Use Uniforms For Work Clothes

In response to many inquiries, army and navy authorities are informing ex-service men that service uniforms may be converted to ordinary clothing for every-day use simply by cutting off the buttons, braid and other military insignia.

There is no limit (except the lasting qualities of the material) to the length of time during which such clothing may be used.

Many service men who are having difficulty in finding civilian clothing in the stores are having uniforms (which were made of the better materials) retailored or dyed for dress wear.

In any event, the ex-service man on the farm, who may not care to keep his uniforms for sentimental reasons, can get full wear-value from his service outfits by using them for work or other wear after the required removal of military buttons, braid and insignia.

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Lifts MORE—Faster—Easier—Higher
Compare these 7 advantages, then write for free circular on this handy Giant Loader and dealer's name. Get quick delivery. Manufactured by
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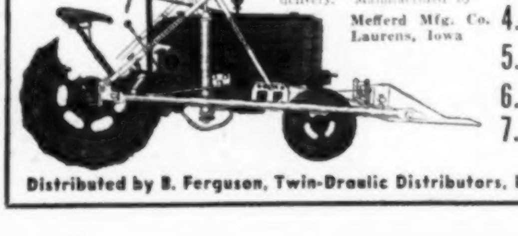

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Farm Wagons Heavy duty all steel, trailer type, rubber tires, ball bearings, trailer hitch.

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Farm machinery is more scarce now than last year. Our limited quantity of this scarce, much-needed farm equipment will go fast. Write today for our latest list and prices.

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$20.40 BU. Grimm Alfalfa $23.40; Red Clover $21.60; Alsike $21.60; Sweet Clover Scarified $8.40; Unhulled $4.20; New Timothy $3.20; Alsike and Timothy $5.95. New Smooth Brome $3.50; Korean Lespedeza $2.50. Early Giant $4.90 high quality. All per bushel, triple recleaned. Hybrid corn $4.25. Guaranteed satisfactory. Free samples, catalog. Frank Sinn, Bx. 404, Clarinda, Ia.

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Can Have Fun Gardening

GARDENING can be fun if we choose to make it such. It is a real joy to plan and plant a garden. It is no little accomplishment to combat and conquer garden pests.

Early making of plans for the 1946 garden should be a family affair. The likes and dislikes of each member of the family should influence the selection of vegetable seeds to be written down on the order blank.

Some folks like carrots as well as rabbits do. Whatever the special preferences may be, liberal seed and space should be allotted for items on each one's preferred list.

Storage and canning for later usage must be remembered, too, in planning a garden. A little surplus in the fall can usually be exchanged with some near neighbor to the advantage of both.

The actual size of the garden will depend upon many factors. The size of the family and space and time available must be considered.

A space 30x50 feet does very well for a family of four. Even smaller areas will produce a fine lot of the smaller growing plants. Small areas may require careful planning for successive crops of in-between plants.

Where space is not limited, and when volunteer help seems equal to the undertaking, larger room-requiring things like potatoes, sweet corn and squash will add to the supply to go into storage.

On farms where plenty of room is available, along with horse or tractor power, a half-acre is a fine size to figure on for the average farm garden.

Wherever possible, these larger gardens should have long rows for easier power cultivation.

It will almost surely prove discouraging to spend time and labor on a garden spot with poor soil. Most plants need liberal amounts of sunshine, moisture and fertility if labor is to prove well compensated.

In Iowa, the very first dirt-stirring gets under way in mid-March. At this time, tomato seeds must be started if they are to be put out in the open garden when the fine, warm weather arrives in May. Hot-beds and cold-frames should be started in March, too.

It usually pays to rush the season a little with some of the more frost-resisting plants such as radishes, onions, lettuce and others.

Garden planning for farm owners or holders of long leases can include perennial vegetables such as rhubarb and asparagus. Berries are also a possibility.

Many of the berries are successfuly grown all over the corn belt. Every farmer could enjoy his own fresh, delicious strawberries this year if a patch had been planted in 1945 and they had been given the simple care needed.

There are the so-called "everbearing" varieties that yield fruit the same year they are planted. So berries are not out of the question even for 1946. Plants should be set in April, kept from blooming till July.—Victor Felter, Warren County, Iowa.

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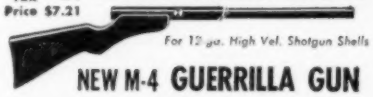

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Waverly, Mo. Alexis, Iowa

Voice of the Farm

Says Boys Know How To Husk Corn

To the Editor: Who are you to say the boys of today don't know how to husk corn? I am 16 years old, and I husked corn right along last fall, and sure enjoyed it. I also know quite a few boys who do it. —Paul Damman, Jasper County, Iowa.

Did we include too many boys? It is only "many" or the "majority" that don't husk by hand.—Editor.

Asks If Great Britain Has Changed

To the Editor: Will some one give a good reason why we should lend Britain billions of hard-earned dollars to build up her industries so she can sell her products to Latin America in competition with those of the good old U. S. A.?

What about 1775, 1812 and 1862? Has Britain had a change of heart? — Harry Crawford, Tama County, Iowa.

Some folks urge the loan as a preventive of cut-throat competition for international trade.—Editor.

"Stay on the Farm," Says This Man

To the Editor: There are lots of boys coming home from the army, who were raised on the farm. They find it hard to decide whether they want to farm or try something else. Back in 1889, I had to decide whether I should stay on the farm or not.

I never expected to be a millionaire, for few farmers ever reach that stage. But I wanted to get enough ahead so I could spend my old days in comfort. That is all any man needs. What would a man do with a whole lot of money he didn't need?

I was born in a log house five miles from Clarinda, in Page county, Iowa. Now (at 86 years of age) I have a bunch of white-faced cattle and 500 or 600 acres of land, which is enough for one man to have in Iowa.

My advice to a young man who was raised on a farm is to stick to farming, where one can be his own boss. . . .—S. A. McCalla, Taylor County, Iowa.

For young men who like country life, farming may still offer the best chance for security.—Editor.

Who Gets Articles We Send to Europe?

To the Editor: On the front page of your January 19 issue, you say that the U. S. A. is not helping France, Norway, Denmark, Holland, Belgium, Britain or Germany.

I don't care if we don't help Germany, after the way she abused all whom she conquered.

But if we don't help the others mentioned, who, in mercy's name, do we help?

To whom do these millions of pounds of clothing go besides Italy. We, the people, are not informed enough.—Mrs. Mary Culver, Gentry County, Missouri.

Clothing may be sent to any country. Usually, a committee puts on the drive and the people are told where the articles are going. But food, under UNRRA, goes only to Poland, Czechoslovakia, Italy, Greece and other Balkan states. Displaced persons, however, in the liberated countries may be fed thru UNRRA. Congress makes appropriations for UNRRA and says where the food shall be sent.—Editor.

PAW TUCKER—Sometimes a Good Wind Blows Somebody Ill!

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IN HOME, GARDEN, ORCHARD
ARMSTRONG SPRAYER of MANY USES
• Efficient
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Just what you need to destroy bacteria, blight and worms. The Armstrong Sprayer is ideal for garden use, yet has enough force for most tallest fruit trees from ground.

Always ready at a minute's notice—nothing to get out of order. Use this continuous sprayer for many chores—spray DDT, exterminate insects, house, etc., apply white-wash, spray livestock, lawns and barns, extinguish fires.

Sprayer made of brass, 5-gal. tank of galvanized iron.

At stores or write for circular and price.

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SQUARE DEAL INSURANCE COMPANY
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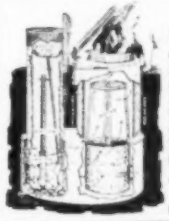

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WHEN CONSTIPATION makes you feel punk as the dickens, brings on stomach upset, sour taste, gassy discomfort, take Dr. Caldwell's famous medicine to quickly pull the trigger on lazy "innards", and help you feel bright and chipper again.

DR. CALDWELL'S is the wonderful senna laxative contained in good old Syrup Pepsin to make it so easy to take.

MANY DOCTORS use pepsin preparations in prescriptions to make the medicine more palatable and agreeable to take. So be sure your laxative is contained in Syrup Pepsin.

INSIST ON DR. CALDWELL'S—the favorite of millions for 50 years, and feel that wholesome relief from constipation. Even finicky children love it.

CAUTION: Use only as directed.

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HAYSTACKER and SWEEPRAKE ATTACHMENTS *New Available* on "OTTAWA FARMER" LOADER

Even the toughest haying job can be done better and faster with Ottawa Farmer Haystacker and Sweeprake attachments. And with FORK or BUCKET attachment, the Ottawa Farmer LOADS MANURE, SAND, GRAIN, GRAVEL, EARTH and other bulk materials. NOW, the Ottawa Farmer Loader can be used on any one of 16 POPULAR TRACTORS by making a few simple, quick, easy changes. See your local dealer or write to

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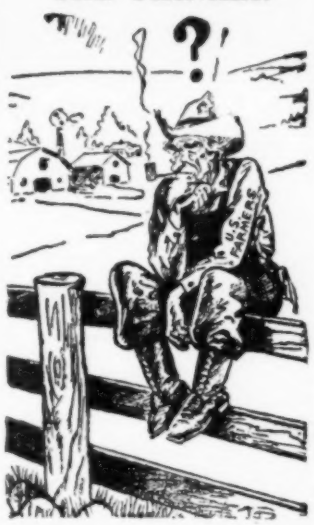


(Roche in The Buffalo Courier-Express)

"Where does this inflation leave me?"

Which of These Farmers Is Really Smart?

To the Editor: Here's a story of two farmers. Both have bought farms in the last few years.

One works from daylight to long after dark. He raises lots of livestock and chickens. But he can't afford to eat meat more than once a day, and if eggs are 45 cents, they are too high to eat. I might add that his farm is paid for.

The other raises lots of livestock—but not as much as No. 1. He and his family eat all the meat and eggs they care for, regardless of what they are worth. This man has time for living. His work is all thru, and he is enjoying himself by the radio, while his neighbor is out plugging away long after dark. His farm is not paid for.

Now, just who is the smarter of the two?—I. W., Page County, Iowa.

Will readers answer the question? Is there a middle-ground? —Editor.

Sows Sweet Clover To Plow Under

To the Editor: For rotation of crops, I sow sweet clover and oats the first year, then corn for the second and third years. The fourth year, I plant soybeans. Then back to oats and sweet clover.

When the oats are combined, I leave the straw on the land for mulch. Then I plant corn on this land for the second and third year. The fourth year, I plant soybeans to increase the nitrogen content of the soil.

I have plowed the clover under both fall and spring. When I wait until spring to plow the clover under, it will have about two feet of growth, but I plow it under in time to plant corn the same year.

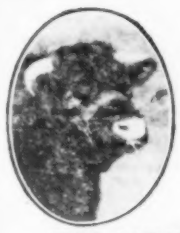
In the fields which have had lime and phosphate on them, there is about 12 inches difference in the height of the clover. The clover is also thicker where the lime and phosphate have been used.

I have been well satisfied with results in corn yields after plowing clover under as green manure. The average yield of corn on this farm, using this rotation system, is 75 to 80 bushels per acre.—P. F. Gortner, Grundy County, Illinois.

Does any reader have a rotation he thinks better than this one?—Editor.

LIFE WITH Schmidt's CITY CLUB
JACOB SCHMIDT BREWING CO., ST PAUL, MINN.

Iowa Royal Centennial



SHOW March 29th, 1:00 P. M. **SALE** March 30th, 12:30 Noon

$300.00 IN CASH PRIZES

Also Des Moines Chamber of Commerce offers Trophy for Champion Bull and Female

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DES MOINES, IOWA, MARCH 29th and 30th

68 HEAD—BEST CATTLE AVAILABLE IN IOWA

31 Choice Bulls Ready for Service—37 Desirable Females

This grand offering of 31 bulls and 37 females has been drawn from 32 leading herds in the state where top cattle are produced. Each consignor has endeavored to present top cattle. Most all bulls ready for service and include real prospects. The females include cows with calves, bred cows and heifers and attractive open heifers by great sires. Breeding material of the highest order are catalogued. The consignors are:

John E. Greig, Estherville; McCone Bros., Defiance; McCone Bros., Bonta; Braywood Farm, Oskaloosa; Penningroth Bros., Wellman; Helfred Farm, Des Moines; Milrob Farm, Des Moines; W. C. Anderson & Son, West Liberty; C. L. Rees & Sons, Pleasantville; L. E. Kenney, Knoxville; Urice Bros., Vinton; Ben G. Studer, Wesley; Geo. Struve & Sons, Manning; Herman Leiting, Arcadia; Holtz Bros., Rippey; Ray D. Nickle, Clearfield; S. H. Cline, Clarinda; Tedford Miles, Corydon; Rex Walker, Winterset; Wm. Stanek & Sons, Ft. Dodge; Perry O. Brown & Son, Lamoni; Ralph Stringham, Dexter; J. E. Smith, Richland; Donald Nichols, West Liberty; Ross Long, Grundy Center; Evergreen Farm, Columbus Junction; Holm Bros., Corwith; A. P. Lyon, Swan; W. P. Lorenzen, Ogden; Warren Cowman, Prairie City; Hepburn Ingham, Waukee; and John Long, Madrid.

The offering is sired by some of the greatest sires in the state and represents all the leading families. Good breeding and quality. An ideal place to secure richly-bred top quality cattle. **T.B.** and **Bangs** tested. Ask for **FREE** catalog mentioning this publication. Address

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HEADQUARTERS: Hotel Kirkwood. Make reservations early. Banquet and annual meeting Hotel Kirkwood, 6:30 P. M., Friday, March 29th. All are invited.

WITH HOLSTEINS THE FUTURE IS BRIGHT

Few men build more than one dairy herd in a life time. It is a task which takes many years. While you are at it, why not build your herd with the very best foundation stock you can obtain?

Large and strong, the rugged Holstein "walks away" with the burden of heavy milk production and calf bearing.

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—PUT YOUR EXTRA DOLLARS INTO U. S. SAVINGS BONDS—

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From where I sit ... *by* Joe Marsh

Bird's-Eye View of America

A fellow took an aerial photograph of our town, and it makes the place look like Utopia.

Folks argued that the new firehouse would never look well beside the old Town Hall. But they harmonize perfectly from the air. One side of the railroad tracks looks as good as the other. All the different landmarks blend in nicely with surroundings.

From where I sit, there's a lesson in that photograph. A community's made up of different elements—people as well as landmarks. Some vote one way, some another; some enjoy a glass of beer and others don't. You might think there was a lot of reason for friction.

But it's all in your point of view. Get up high enough—see the community as a whole—and those little discords blend together into what we call America—a free, harmonious land. The differences only look big to people who see them from too close!

Joe Marsh

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Livestock News

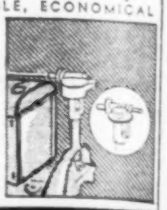
The National Angus Show and Sale, Chicago, Ill., February 27-28 and March 1, brought out cattle men from a wide territory. S. C. Fullerton, Jr., Miami, Okla., and M. J. Tudor, Olin, Iowa, placed the awards in an able manner. The grand champion bull was Lot 4, from Ankony Farms, Rhinebeck, N. Y., namely Ankonian 10th, and sold for $7,800 to Mark Cox, Jr., Cheyenne, Wyo. The reserve champion, A Bar Duke 16th, from A Bar A Ranch, sold for $13,100 to Mr. and Mrs. John Eppel, Columbia, Mo. He is a son of Prince Sunbeam 44th. The top bull was Master Prince, a son of Prince Sunbeam 29th, consigned by the Oklahoma A. and M. College, and sold for $20,000 to S. R. Ranch, Santonia, Texas. The grand champion female was Bandolier of Walridge, consigned by J. V. Driscoll & Son, Williamsburg, Iowa. She is a daughter of Bell Boy Bandolier M. W., and sold for $4,100 to Steak & Shake, Rossville, Ill. The reserve champion, Queen of White Gates 2d, from White Gates Farm, a daughter of Kedar Bandolier, sold for $20,000 to Mr. and Mrs. Fowler McCormick, for their Glen Urquhart Farm, Barrington, Ill. The 158 females averaged $1,383.80. The 204 lots sold for $304,950, a general average of $1,494.80. Buyers acquiring the offering were from 22 states, as follows: California, Colorado, Illinois, Iowa, Indiana, Kansas, Mississippi, Missouri, Michigan, New York, New Jersey, North Carolina, North Dakota, Ohio, Oklahoma, Oregon, Pennsylvania, Texas, Kentucky, Virginia, Wyoming and Wisconsin. Auctioneers, Roy Johnston and Hamilton James.

SOMETHING NEW *for your* REGULAR FARMALL TRACTOR

ACME ENCLOSED WORM STEERING ASSEMBLY

Makes Your Tractor Steer Like New

SAFE, DEPENDABLE, ECONOMICAL



Comes completely assembled ready to install on your regular Farmall Tractor by removing open type gears and inserting ACME Enclosed Worm steering assembly. Safer to hands and arms. Write for complete details. Satisfaction guaranteed.

Write for Free Catalog

ACME TRACTOR SALVAGE CO
LINCOLN, NEBRASKA

The Great Market Center

Come to PERRY for ABERDEEN-ANGUS and HEREFORDS at their best—in comfortable pavilion

Perry, Iowa, Thursday, March 21st

MORE THAN 200 HEAD

Outstanding bulls in Aberdeen-Angus. Hoelscher's purebred registered 7 bulls by a BANDOLIER sire, out of dams largely by EILEENMERE 33rd breeding, are strictly choice. Others of great worth. Some choice registered females. 20 bulls listed.

THE COMMERCIAL ASSIGNMENT

Is one of the real features of this sale. One consignment of 89 Aberdeen-Angus calves, about 50-50 as to sex, which is a stellar attraction. The herd listing these 1945 spring calves is one of Iowa's largest and best commercial collections. Look over the splendid steer calves . . . the choice heifer calves . . . if you are a **Baby Beef** producer. As this ad is written March 1st, there are 176 head in the commercial sale and will be more by sale time. This does not include the HEREFORD contingent. In later sale notices this information will appear. The catalog is FREE. It will be full of information with complete pedigrees of the registered cattle. Ask for it. Please mention this publication. Address

FRANCIS T. MARTIN, Sale Mgr., WALL LAKE, IOWA
Auctioneer, J. E. Halsey.

ILLINOIS

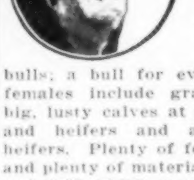
Polled Herefords

At Normal University Farm

NORMAL, ILLINOIS

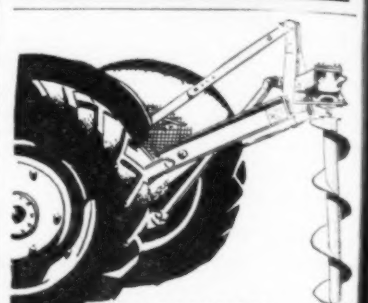
SATURDAY, APRIL 6th

82 HEAD—37 Bulls, 45 Females



One of the best lots of cattle offered from Illinois Polled Hereford Breeders Association. Real herd bull prospects and farm bulls; a bull for every need. The females include grand cows with big, lusty calves at side, bred cows and heifers and attractive open heifers. Plenty of foundation stock and plenty of material for the **F.F.A.** and **4-H CLUB** members; excellent material for them. Plan to come. FREE catalog on request. Please write mentioning this publication. Address

ERNEST PAINTER
Sale Manager
La Harpe Illinois



CHAMPION POST HOLE DIGGER

Digs by power; lifts by hydraulic. One man operated. Precision built of best steel. Installed a few minutes on Ford Ferguson. Digs in seconds. Down once, then lift, hole is finished. Ferguson owners and dealers write for information. Orders now being filled.

SOUTHWEST EQUIPMENT CO.
Box 4911, Florence Sta., Los Angeles 1, Calif.

I'LL SEND YOU THESE PRODUCTS

FREE F.O.B. FACTORY

I'll help you get extra cash to fill your pocketbook—to live on. Supply food and household products to regular customers. **No previous experience or capital needed to start.** I'll send flashy assortment of products to test and show. Start full or spare time. Premium offers, big monthly bargains. RUSH NAME today for outfit. Give nearest express office. Hurry!

BLAIR, Dept. 454-G, Lynchburg, Va.

For Better Values Attend

Larmer and Bartenhagen

All Female Sale

66 HEAD

Registered Angus

TUESDAY, MARCH 26th, COLUMBUS JUNCTION, IOWA

All Top Families—Many Good Enough for Show—Bred to 4 Top Bulls—All Bandolier of Anoka Breeding.

Study the pedigrees. Write today for FREE catalog. Come and see for yourself—a beautiful offering. Please mention this publication when writing.

Henry Bartenhagen & Sons
Columbus Junction, Iowa

Forrest M. Larmer
Muscatine, Iowa

J. E. Halsey, Fieldman.

16th ANNUAL MARCH SALE

Mercer County (Ill.) Angus Breeders

Aledo, Illinois, Thursday, March 28th

106 HEAD—25 Bulls, 81 Females

No previous sale held has included more fashionably bred cattle with so many of the breed's most popular sires in their top crosses than will be sold in this auction. As to type they are the kind that will produce more and better beef at a minimum cost. Photos of a third of those selling feature the catalog and attest to their individual merit.

Strains represented include the GAMMER, BALLINDALLOCH GEORGINA, BALLINDALLOCH JILT, MISS BURGESS MAID OF BUMMERS, GLENCARNOCK and FINLARIG ELBAS, CRIDLAN EVERGREEN, McHENRY BARBARA, McHENRY BLACKCAP including BLACKCAP BESSIES, BLACKCAP EFFIE and other fashionable tribes.

Sires represented are close up descendants of **BLACK PRINCE OF SUNBEAM**, responsible for the Fullerton's recent average of $5,600, and EILEENMERE 85th, responsible for the TOLAN sale, the top of 1945. Others are the $25,000 RAVENSWOOD PRIDE ERIC, GENERAL OF PAGE, BANDOLIER OF ANOKA, BLACKCAP BARRY, HANE'S EILEENMERE 2d, REVOLUTION 100th and other famous bulls. This will be one of the season's best opportunities to strengthen already top herds or the founding of new ones. All **T.B.** and **BANGS** tested. Plan to attend. Ask now for **FREE** catalog. Please mention this publication. Address

HUGH McWHORTER, Secy., ALEDO, ILLINOIS
Auctioneer, Roy Johnston. J. E. Halsey, Fieldman.

REGISTERED

Milking Shorthorns

At Auction

WEDNESDAY, MARCH 27

10th and Avenue G

COUNCIL BLUFFS, IOWA

50 head of well bred registered Milking Shorthorn Cattle by consignment from Wisconsin, Iowa and Nebraska herds. 15 bulls, 20 females of producing ages and 15 heifer calves, open heifers and baby bull calves. There will be a lot of top bred cattle in this offering. Some extra well bred bulls of herd heading quality and breeding. Catalog giving milking inheritance and origin of the cattle will be mailed upon request. Offering **T.B.** and **Bangs** tested and pedigrees furnished. Write for a catalog to

H. C. McKELVIE, Sale Mgr.
10th and Ave. G Council Bluffs, Ia.
Cols. Kraschel and McMurray, Aucts.

SILOS

CHAMPION SILOS—*Permanent, tight, complete*
CHAMPION BROODER HOUSES—sturdy, sanitary
CHAMPION LAYING HOUSES—50 hens to 1000

Outstanding SILO values—built strong to hold grass silage, too. Easy to erect. POULTRY HOUSES for every flock. Also Hog Houses, Corn Cribs, Grain Bins, etc. Factory prices now from pioneer builders.

WESTERN SILO CO.
Dept. W-3 West Des Moines, Iowa

POULTRY HOUSES

ANNUAL SPRING SALE

LA CROSSE COUNTY GUERNSEY BREEDERS

WEST SALEM, WIS., MARCH 27th

125 Head—Sale 12 O'clock Noon

Choice registered and high grade Guernseys. Splendid consignments. Quality and breeding will please. **Bangs** and **Tuberculin** tested. Ask for **FREE** catalog. Please mention this publication. Address

VILAS E. YOUNG, Secy., West Salem, Wis.

WAUKESHA

BROWN SWISS SALE

WEDNESDAY, APRIL 3

WAUKESHA, WISCONSIN

80 Purebred Swiss

65 Females—15 Bulls

Consignors in 10 states send top cattle to this sale. For FREE catalog write

V. B. VYE, Sale Mgr.
Box 2450 WAUKESHA, WIS

U. S. SAVINGS BONDS MEAN A MORE SECURE FUTURE FOR YOU

PEORIA COUNTY

ANGUS BREEDERS ASSOCIATION, Inc.

First consignment to be held at Robin's Nest Farm, located 12 miles west of Peoria on Highway No. 150

Peoria, Illinois, Friday, April 5

63 HEAD

11 GOOD BULLS, 52 DESIRABLE FEMALES

The breeders of this section which comprise some of the best in the state of Illinois have listed their best individuals rich in pedigree and the type and quality that will please. The 11 bulls are the sort for herd headers. The females include 20 grand young cows with big, lusty calves at foot or close to calving and 32 most attractive heifers; some are bred, the others are open. They are consigned by the following breeders:

Carter's Stock Farm	Elmwood, Ill.	Robin Nest Farm	Oak Hill, Ill.
V. Angus Farm	Elmwood, Ill.	Rosefield Farm	Oak Hill, Ill.
Lloyd Walker	Elmwood, Ill.	Glen Wood Farm, R. 2	Peoria, Ill.
Clarence Ekena & Son	Elmwood, Ill.	Glen Eden Farm	Hanna City, Ill.
Perry Walker	Brimfield, Ill.	Sam McLugage & Son	Hanna City, Ill.
Kenneth Hamilton	Brimfield, Ill.	Bert Robertson	Brimfield, Ill.

Hyland Farm, 808 S. Washington St., Peoria, Ill.

Some of the richest blood the breed affords. The following sires are strongly represented: BLACK PRINCE OF SUNBEAM, EILEENMERE 85th, EILEENMERE 300th, REVOLUTION 100th, BLACK BARON 2d OF PAGE, HANES EILEENMERE 2d, POSTELMERE 5th, BLACK MARSHALL E. 2nd, and JUANNA BRADMAR. The families include BLACKCAP, BLACKBIRD, PRIDE OF ABERDEEN, JUANNA, EISA, ENCHANTRESS and ELBA ERICAS . . . nothing finer in breeding. The cattle will please. Plan to attend. Ask for FREE catalog. Please mention this publication when writing. Address

R. K. CARTER, Secy., ELMWOOD, ILLINOIS

Peoria Aberdeen-Angus Breeders Association, Inc.

Auctioneer, Roy Johnston. J. E. Halsey, Fieldman.

ANNUAL SPRING SALE

Central Illinois

Angus Breeders Association

At The Dells, midway between Peoria and Bloomington, Illinois. On Highway No. 150

CONGERVILLE, ILLINOIS

APRIL 12th AND 13th

170 HEAD

80 BULLS, 90 FEMALES

A choice consignment from the leading breeders of Central Illinois where top Angus cattle have been produced for years. Breeding and quality unsurpassed in any of our previous sales. The rich blood of such sires as BLACK PRINCE OF SUNBEAM, BLACK PRINCE 2d OF SUNBEAM, BAR PRINCE OF SUNBEAM, PRINCE SUNBEAM 19th, EILEENMERE 430th, EILEENMERE 300th, EILEENMERE 85th, HANES EILEENMERE, HANES EILEENMERE 2d, BARBARA'S ERWIN, BARMORE 3rd, BANDOLIER OF ANOKA, DOUBLE BURGESS, REVOLUTION 106th and BELL BOY A. . . . the families include JUANNA, LANTZ & McHENRY BLACKCAPS, BLACKCAP EFFIE, BARBARA, MISS BURGESS, PRIDES, EVERGREEN, EISA, ENCHANTRESS ERICAS and other popular strains. Nothing finer. The large number affords a wide selection of herd sires, commercial bulls or farmer bulls and foundation and replacement females of preferred breeding and merit in a two days' auction for the cost of one trip. Plan to come. Beautiful illustrated catalog sent **FREE** on request. Please mention this publication when writing. Address

SIMON E. LANTZ, Secy.-Mgr., CONGERVILLE, ILL.

Auctioneers, Roy Johnston and H. James. J. E. Halsey, Fieldman.

When writing to our advertisers, please mention that you read their advertisements in Wallaces' Farmer and Iowa Homestead.

Iowa Hereford Cattle Breeders Ass'n Sale

40 Head

30 BULLS and 10 HEIFERS

Sioux City, Iowa, March 25, 1946

CONSIGNORS:

J. H. Bradford, Fonda, Iowa; Dick Hinkeldey, Alta, Iowa; Westensee Co., Galva, Iowa; Chas. L. Anstey, Massena, Iowa; Wallace Shirley & Son, Hamburg, Iowa; W. H. Eimers & Son, Ringsted, Iowa; E. O. Johnson & Son, Milford, Iowa; T. R. Lesline & Son, Logan, Iowa; and others.

We have a grand, good lot of bulls and heifers listed for this sale. They come from the best herds here in the west. Most of this offering are coming 2-year-olds, and all the popular families are represented. Among these families are: INTENSE DOMINO 7th, BELMOND DOMINO 27th, ROYAL D. DOMINO 2d, BEAU GASTON, ROYAL DOMINO 12th, BEAU BLANCHARD 2d, BEAU BULCENIA 45th, M. H. JUPITER DOMINO 3d, and many others. There are a splendid lot of young bulls coming 2 years old and these are now ready for service.

This is one of the last of the breeders' sales that will be held this spring and will be a good place to buy your herd bull as we have many in this sale that will suit the most exacting buyer. Write for our FREE catalog at once and kindly mention Wallaces' Farmer and Iowa Homestead. Address

F. W. KETELSEN, Sale Mgr., EVERLY, IOWA

Charles Corkle, Auctioneer. M. T. White, Fieldman.

GRAND INDIVIDUALS *GREAT BLOOD LINES*

Shorthorns and Polled Shorthorns!

SOUTHWEST IOWA SHORTHORN BREEDERS' ASS'N

RED OAK AUCTION COMPANY

Red Oak, Iowa, Monday, April 1st

SHOW—9:30 A. M.
SALE—1:00 P. M.

29 BULLS

Ready for Service
Excellent Quality

26 FEMALES

Superb Females
Choice Individuals

These producers assure you high quality Shorthorn cattle. All cattle are T.B. and Bangs tested—can be shipped into any state.

CONSIGNORS	Bulls	Females
Daniel E. Bower, Bridgewater	3	5
Jas. Campin, Jr., Randolph	1	
Cumberland Stock Farm, Manilla	2	
Arion Christensen, Kirkman	1	
Will H. Davis & Son, Oakland	1	1
Fender Bros., Carson	1	
A. P. Ferrel, Randolph	1	
Gilman Bros. Stuart	2	
Geo. F. Gruss, Greenfield	3	
Lou Kennedy & Son, Lewis	1	3
S. H. Kline, Clarinda		4
Emery Larson, Harlan	1	3
E. P. Laughlin, Imogene	1	4
Matt Laughlin, Emerson	2	
Lomas Farms, Villisca	2	1
McCone Bros., Botna	1	
Geo. McMaster, Bedford	1	3
W. W. Neely, Greenfield	2	1
Nels Peterson, Exira	1	
R. E. Phillip, Red Oak	1	1
Eldor Swanson, Hepburn	2	
Otis Westphal, Corning		1

Our sale offers you an opportunity to secure reliable, well-bred Shorthorns offered by men who have devoted years to the study and improvement of their herds.

We are indeed proud of our sale offering combining the get and services of outstanding sires as well as from the most popular families. All cattle offered have great potential possibilities. We heartily recommend them.

Never has it been so important to have a good bull with a real background. These bulls are exceptional individuals.

The females are superb. They are qualified to bring everlasting satisfaction and success. They include bred and open heifers, bred cows and cows with calves.

Our consignors are men of recognized reputation for fair dealings and for the production of cattle of correct type, rich color and impressive blood lines.

PREPAID FREIGHT—The American Shorthorn Breeders' Association offers to prepay freight up to $200 on any shipment of **10 head** or more to any one destination. Join with your neighbors.

Our beautifully illustrated catalog is ready—will be mailed only upon request. Please mention this publication when writing and address all inquiries to

MALCOLM D. LOMAS, Sale Manager
c/o The Thos. D. Murphy Co., Red Oak, Iowa

M. T. White, Fieldman. Wm. Milne, Judge. J. E. Halsey, Auctioneer.

LOW COST FINANCING

ON: Tractors, Corn Pickers, Automobiles, Pickups
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Payments can be arranged to meet Your Farm Income

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STERN FINANCE COMPANY
736 Des Moines Bldg., Des Moines, Iowa
Telephone 3-8131

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AUCTIONEER
Successful sales for leading breeders, lifetime experience with Livestock. Apply early, as I am busy during season. Rates reasonable. Telephone Residence 7-3645; Business 3-6181.
J. E. Halsey, Box 1317, Des Moines, Ia.

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AUCTIONEER
Specializing in purebred livestock and farm auctions.
AL ROSS CARROLL, IOWA
Phone 513

ABERDEEN ANGUS

ABERDEEN ANGUS FOR SALE
We have three BULLS, two serviceable age. One BLACK CAP, two ELBA ERICAS. Rambler and Earl Marshall Breeding. We are offering Tops.
FRED DREHER & CO., GRAY, IOWA
PAUL DREHER, Mgr., Route No. 1

HEREFORDS

CHOICE HEREFORD BULLS
We are proud to offer fine herd bulls of serviceable age from our new WHR TRIUMPH DOMINO 79th. Best of type and blood lines. Reasonable. Come to see them.
G. G. AMOS & SON INDIANOLA, IOWA

REGISTERED HEREFORDS
Bred gilts, yearling boars, fall pigs, both sex. Easy feeding type.
O. F. HAWLEY & SON,
DAKOTA CITY, NEBR.

POLLED HEREFORDS

POLLED HEREFORDS
Registered Polled Hereford yearling bulls with lots of quality. Also a few open heifers.
AXEL JOHNSON MANSON, IOWA

SHORTHORNS

SHORTHORN BULLS
Serviceable age, dark reds, roans, one white. Quality and breeding to improve any herd. Priced to sell.
CHAS. F. SCHRUNK & SON, MAPLETON, IA.

MILKING SHORTHORNS

MORE 4% MILK AND GREATEST SALVAGE VALUE
MILKING SHORTHORNS
Indisputable records—on farms and in official contests—PROVE that Milking Shorthorns are best all-around breed. Produce 4% milk, have greatest value of all milk breeds. This TWO-WAY bargaining power makes Milking Shorthorns universal favorite. FREE facts. Or read Milking Shorthorn Journal. Trial subscription, six months, 50c; one year, $1.00.
MILKING SHORTHORN SOCIETY
Dept. WF-52 809 W. Exchange Ave. U. S. Yards, Chicago 9, Illinois

MILKING SHORTHORNS
Because of ill health, retiring to smaller farm. Will sell nearly all the herd. Bulls 2 to 14 months old. Females 2 months to mature cows. Best of Bates, Clay and Imported English families, with highest milking ancestry possible to obtain. Priced to sell. Also White Collie Puppies, guaranteed natural heelers.
PEERLESS & BELL VERNON HERD
Decorah, Iowa

1880—1946
DUAL PURPOSE SHORTHORNS
Bates bred, extra choice bulls, rich in pedigree with good production, from long established herd.
J. Russell Currier, Owner J. Rex Currier, Supt.
MASON CITY, IOWA

POLLED SHORTHORNS

POLLED SHORTHORNS
Choice bulls 8 to 14 months old by CRIMSON SENSATION and a few desirable females bred to CLEARVIEW GOLDSPUR. Priced to sell. Phone through Blairstown, Iowa. Address
PHILIP JOHNSTON & SONS, ONAWA, IOWA

Polled Shorthorn Bull
Red Oak Victor x by Red Oak Sensation x. A two-year-old and a sure breeder.
CONRAD G. MAJOROWICZ
ROLFE, IOWA

POLLED SHORTHORNS
Choice females, springs and open heifers. Bulls 12 months old. High in beef and milk quality. Must sell to make room. Act now.
A. J. BIRKESTRAND CAMBRIDGE, IOWA

Save Money, Buy Bonds

POLLED SHORTHORNS

Polled Shorthorn Bulls
Sired by Dalas Crown and Shadybrook Knight. Farm on paved highway No. 169, 30 miles north of state line.
BERT A. HANSON, VERNON CENTER, MINN.

POLLED SHORTHORNS
Bulls sired by CORONET ROYALIST. Farm one mile west of Dunlap, Iowa, on No. 37 Highway.
A. L. DUNHAM & SON DUNLAP, IOWA

AYRSHIRES

Raise Ayrshires
Heaviest producer of 4% milk at lowest feed cost—the milk the post-war market demands.
Ayrshires are noted for perfect udders, grazing ability, hardiness and outstanding type.
Write for literature and list of breeders near you with stock for sale.
Ayrshire Breeders' Ass'n
47 Center St., Brandon, Vt.
4% MILK

BROWN SWISS

Brown Swiss Heifer Calves
Fine choice high-grade month old Brown Swiss heifer calves $35 per calf, delivered on approval.
H. R. LOBDELL,
BOX 326 MUKWONAGO, WIS.

DAIRY CATTLE

LIVESTOCK FOR SALE
DAIRY BULLS
AYRSHIRE, BROWN SWISS, GUERNSEY, HOLSTEIN and JERSEY BULL calves, from 2 to 10 months of age. HORSES—a three-year-old chestnut Belgian stallion. Write
Animal Husbandry Department
IOWA STATE COLLEGE, AMES, IOWA

GOLDEN SUNSET BULLS
BREEDING, BUTTER and BEAUTY. You get all three in a Golden Sunset Bull and at a price you can afford. Send for FREE list.
ENNIS DAIRY FARMS FESTUS, MISSOURI

BULL AND HEIFER CALVES
Beautiful Holstein, Swiss and Guernsey bull and heifer calves. Registered and grades. Good breeding. Reasonable. Will ship on approval.
J. M. McFarland, Watertown, Wis.

GUERNSEYS

OAKLAND GUERNSEY FARM
MUKWONAGO, WISCONSIN
Offers 5 to 30 Guernsey heifer calves, month old, at $30 each delivered on approval. Also 15 choice heifers, price $2,250. Some fresh, others soon; balance will freshen in 60 to 90 days.

HOLSTEINS

WISCONSIN HOLSTEINS
Choice month old heifer calves, without papers, laid down at your station, $31.50 each, the right kind.
CLAYTON CHANDLER
Route 2 Lake Geneva, Wisconsin

High Grade Holstein Heifers
Offering choice month old heifers, in lots of 5 to 20, at $32.00 each delivered.
H. R. LOBDELL, Mukwonago, Wis.

HILANE HOLSTEIN BULLS
Choice bulls by DUNLOGGIN X OLIVER, a grandson of Woodmaster. DAMS: officially Classified H.I.R. records to over 600 lbs. fat mature 2X. Reasonable.
JOHN CREGER, Mgr. WAUKEE, IOWA

JERSEYS

JERSEY BULLS
Registered bull calves. Every calf from a good cow. Herd averaged 420 lbs. butterfat per cow for 13 years. Herd free T.B. and Bangs.
J. J. NEWLIN
Polk County Johnston, Iowa

BERKSHIRES

CONOVER'S BERKSHIRES
Limited supply of gilts and tried sows to farrow in April to BAR NONE MODEL 2d, BONNIE ACRES CLIPPER 2d. Also growthy September fall boars. Reasonable.
ALEX CONOVER HOLSTEIN, IOWA

REGISTERED BERKSHIRES
Gilts bred for April farrow. Also fall and winter pigs, $50, unrelated pairs. Independent Lad and Bar None blood lines. Immune. Write or visit.
FRED M. LUTTRELL R. 2, PARIS, MO.

REGISTERED BERKSHIRES
Sired by Champions out of Champions. SHORT HEADED, low down, feeder type. 200 all ages. Large litters. Farmers' prices.
ORLO ADAMS
2012 E. Thomas Ave. MILWAUKEE 11, WIS.

CHESTER WHITES

FAMOUS O.I.C. SWINE
Prolific. Easy feeding. Early maturity. Most pork per pound of feed consumed. Gentle disposition. Sample copy Breed Publication Free.
O.I.C. SWINE BREEDERS ASSOCIATION
Mitchell Block GOSHEN, INDIANA

AS YOU FEED THEM, SO THEY WILL GROW

Your Baby Chicks Start them on Bolson's Contented Peep Chick Starter—grow them with Bolson's Growing Mash.

Your Baby Pigs Start them on Bolson's Pig Meal—finish them with Bolson's Hi-Test Mineral Protein Conditioner.

If you have never fed Bolson's, make a test feeding on part of your chicks, or part of your pigs, the Bolson way. Let the chicks and pigs write the verdict. YOU be the judge.

Bolson's Feeds sold by reliable dealers only.

The L.C. BOLSON Co.
A NAME YOU CAN TRUST IN FEEDS!
DECORAH, IOWA.

DUROC JERSEYS

DUROC FALL BOARS
Big, husky fellows, dark red, heavy bone, deep thick bodies and full ham. I believe they are as good as you can find anywhere. If you want a good boar for $50, I have them. Guaranteed and vaccinated.
CHARLES DAHLKE
SCRANTON IOWA

HAMPSHIRES

REGISTERED HAMPSHIRES
Bred sows and gilts March and April farrow by GRANDIOSE and GLORY BOUND ACE, son of All American Glory Bound. Bred to sensational son of V. DAY. Also top fall boars and open gilts.
ALBERT J. LARSON & SON, AYRSHIRE, IOWA

HEREFORD HOGS

HEREFORD BOARS—GILTS
Choice top fall boars and gilts. Best in breeding. Priced reasonable.
SELLERS BROS. CHARITON, IOWA

POLAND CHINAS

POLAND CHINA BOARS
Choice boars. September farrow with quality, size and breeding that makes POLANDS popular. Priced to sell.
CHAS. F. SCHRUNK & SON, MAPLETON, IA.

SPOTTED POLAND CHINAS

REGISTERED
SPOTTED POLAND CHINAS
Fall and spring gilts bred for March, April and May farrow. Here is some real foundation stock for breeders, farmers and 4-H boys. This herd was established over 25 years ago and on account of the feed shortage there are more sows, also fall boars and gilts. Will have some with litters at side. They are the wide-backed, low-down type.
PETER WITT KEYSTONE, IOWA

Spotted Poland Fall Boars
Heavy boned and thick. Also a few bred gilts bred to a son of the Champion, SPOTLIGHT. Reasonable prices.
A. BLOM & SON LEIGHTON, IOWA

SPOTTED POLAND GILTS
Bred gilts by BOMBER DESIGN, BINGS MAJOR and TOP FLASH, mated to CHIEF FLASH, ADVANCE and PROUD PLAYMATE. Reasonable. Farm 5½ miles northeast.
FORREST HULTGREN ALTA, IOWA

Registered Spotted Polands
Extra good, thick, short legged fall boars, with the right type and breeding by TOP KING. Also a few bred gilts for March and April farrow to AMERICAN FULLBACK. Prices reasonable.
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A grand lot bred sows and gilts by THE INVADER and others. Bred to TOP BOW by Resolution, PARAMOUNT SUPREME and PEDRAN'S ROYAL HIGH. Good breeding. Reasonable.
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100 Registered Bred Ewes, to lamb this spring. 800 unregistered bred ewes. Will sell any number.
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50 HEAD
Well-bred Registered Milking Shorthorns by consignment from Wisconsin, Iowa and Nebraska herds; 15 bulls, 20 females of producing age and 15 heifer calves, open heifers and baby bull calves. There will be a lot of top bred cattle in the offering. Some extra well bred bulls of herd heading quality and breeding. FREE catalog, giving milking inheritance and origin of these cattle will be mailed upon request. Offering T.B. and Bangs tested, and pedigrees furnished. For catalog write to
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50 head choice cattle, including 18 bred cows, over 20 heifers, bred and open, some calves, and 4 outstanding young bulls, ready for service—smooth, square-cut and razored. Quality and top breeding make this lot of cattle worthy of note.
Auctioneer, Wm. Cooper
WHEN—Thursday, March 28th
WHERE—Cooper Sale Pavilion
HEDRICK, IOWA
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Guaranteed heelers. Year's trial, training instructions. Males, females or spayed females.
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Up-to-Date News Of Coming Livestock Sales

ABERDEEN ANGUS

Mar. 26—Bar H Farms, Columbus Junction, Iowa, and Goose Creek Farms, Muscatine, Iowa.
Mar. 27—Otto G. Nobis, Davenport, Iowa.
Mar. 28—Mercer County Breeders, Aledo, Ill.; Hugh McWhorter, Secy.
Mar. 29—F. M. Bradley & Son, Avon, Ill.
Apr. 5—Peoria County Assn., Peoria, Ill.; R. E. Carter, Secy., Elmwood, Ill.
Apr. 12-13—Central Illinois Breeders, Congerville, Ill.; Simon E. Lantz, Mgr.
Apr. 15—Ralph L. Smith, Lees Summit, Mo.
Apr. 16—Penney & James, Hamilton, Mo.
Apr. 17—North-Central Missouri Breeders, Chillicothe, Mo.; Lewis Anderson, Secy.
Apr. 18—Chariton Valley Breeders Assn., Kirksville, Mo.; Otto Shinn, Secy.
Apr. 26—Big Six Breeders Assn., Cedar Rapids, Iowa; A. J. Dice, Secy., Marion, Iowa.
Apr. 29—Marion County Breeders, Knoxville, Ia.; Herb Cline, Secy., Bussey, Iowa.
Apr. 30—Iowa Southern Breeders, at Harken Farms, Osceola, Iowa; Richard Bell, Secy., Osceola.
May 1—Page County Angus Assn., Clarinda, Ia.; Neil E. Johnston, Secy., Clarinda.
May 4—Minnesota State Sale, Slayton, Minn.; Clement C. Chase, Secy., Pipestone, Minn.
May 9—Southeast Iowa Breeders, Mt. Pleasant, Iowa; Dan Cash, Mgr.
May 10—Northeast Missouri Breeders, Memphis, Mo.; W. R. Dirks, Secy.
May 14—Krotz Stock Farm, Odell, Neb., and Seattz Bros., Everest, Kan.; sale at Marysville, Kan.
May 20—Fall-Corn Assn., Marshalltown, Iowa; C. G. Mason, Secy.
May 24—Wisconsin State Sale, Lancaster, Wis.; J. C. Perrin, Secy., Bloomington, Wis.
May 29—Hoelscher Bros., Arcadia, Iowa; sale at Carroll, Iowa.
June 3—M. J. Tudor, Olin, Iowa.
June 10—Wayland A. Hopley, Atlantic, Iowa.
June 11—South-Central Iowa Breeders, Oskaloosa, Iowa; Clyde A. Hanna, Secy., New Sharon, Iowa.

HEREFORDS

Mar. 25—Iowa Hereford Cattle Breeders Assn. Sale, at Sioux City, Iowa; F. W. Ketelsen, Mgr., Everly, Iowa.
Mar. 29—Marion County Assn., Knoxville, Iowa; Lawrence Goff, Secy.
Apr. 2—C. P. Dowis & Sons, Sheridan, Mo.
Apr. 26—Northeast Missouri Breeders, Memphis, Mo.; G. E. Leslie, Jr., Secy.
Apr. 27—North-Central Missouri Assn., Trenton, Mo.; J. E. Stewart, Secy., Newtown, Mo.
Apr. 30—North Iowa Association, Mason City, Iowa; Leigh R. Curran, Mgr.
Nov. 6—Wisconsin State Sale, Madison, Wis.; Homer Graber, Mgr., Mineral Point, Wis.
Nov. 27—John Wisdom, Bloomfield, Iowa.
Nov. 28—Clarke County Breeders, Osceola, Iowa; Wayne O. Burchett, Mgr., Grand River, Iowa.

POLLED HEREFORDS

Apr. 6—Illinois Polled Hereford Assn., Normal, Ill.; Ernest Painter, Sale Mgr., LaHarpe, Ill.
Apr. 18—Southwest Iowa Polled Hereford Breeders, Oskaloosa, Iowa; Roy Van Heukelom, Secy., New Sharon, Iowa.
Apr. 30—North Iowa Association, Mason City, Iowa; Leigh R. Curran, Mgr.

SHORTHORNS

Mar. 18—Marshall County Breeders, Marshalltown, Iowa; J. H. Packer, Mgr.
Mar. 22—Shorthorn Breeders Sale, Abingdon, Ill.; Hal Longley, Sale Mgr.
Mar. 29-30—Iowa State Show and Sale, Des Moines, Iowa; Chas. Garden, Mgr., Route 6.
Apr. 1—Southwest Iowa Breeders, Red Oak, Iowa; R. D. Lomas, Secy.
Apr. 26—Northeast Missouri Breeders, Wayland, Mo.; Leslie Young, Mgr.
May 7—Sioux Empire Breeders, Sioux Falls, S. D.
May 27—South-Central Iowa Breeders, Knoxville, Iowa; J. M. Davis, Secy., Knoxville, Iowa.
June 3—Ellelyn Farm, Wilson, Ill.
June 7—Minnesota State Sale, Mankato, Minn.; N. T. Findahl, Mgr., Waterville, Minn.
Sept. 17—Dispersion Sale, J. T. Judge, Carroll, Ia.
State Farm, St. Paul, Minn.; N. T. Findahl.

POLLED SHORTHORNS

Mar. 23—Illinois State Sale, Normal, Ill.; Hal Longley, Mgr.
Apr. 22—Eastern Iowa Polled and Shorthorns, Cedar Rapids, Iowa; Earl S. Girton, Mgr., Marshalltown, Iowa.
June 8—Minnesota State Sale, Slayton, Minn.; M. H. Bassett, Mgr., Rushmore, Minn.

RED POLLS

Mar. 19—Illinois and Wisconsin Consignment, at Normal, Ill.; E. E. Eckley, Mgr., Wyoming, Ill.

MILKING SHORTHORNS

Mar. 27—Iowa-Nebraska Show and Consignment Sale, Council Bluffs, Iowa; H. C. McKelvie, Sale Mgr.
Mar. 16—Breeders Sale, Sioux City, Iowa; Roy A. Cook, Mgr., Independence, Iowa.
Mar. 18—Breeders Sale, Mason City, Iowa; Roy A. Cook, Mgr., Independence, Iowa.

DAIRY CATTLE

Mar. 19—Iowa State Sale, Holsteins, Waterloo, Iowa.
Mar. 27—La Crosse County Guernsey Sale, West Salem, Wis.; Vilas E. Young, Secy.
Apr. 3—Waukesha Brown Swiss Sale, Waukesha, Wis.; V. B. Vye, Mgr.

COMMERCIAL CATTLE

Mar. 21—Herefords, Angus, Shorthorns; Perry, Iowa; Francis T. Martin, Mgr., Wall Lake, Iowa.

CHESTER WHITES

Apr. 19—Nick Terpstra, New Sharon, Iowa.

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Livestock News

The second Chester White sale of Röhner Naefke, Clarion, Iowa, February 27, brought out a very good attendance. The top was Lot 5, a son of Portage Model, and bred to Claremont Model, which sold for $275 to Roy Herwig, Ashton, Ill. Lot 4, a litter mate, sold for $227.50 to Paul H. Peterson, Callender, Iowa. Lot 31, by Star Lad, and bred to Portage Model, sold for $230 to James Barron, Streator, Ill. Lot 15 sold for $195 to M. J. Teig & Son, Stratford, Iowa. Lot 10, bred to Portage Model, went at $160 to Marion Peterson, Callender, Iowa. The 37 lots sold for $5,160, a general average of $139. Auctioneer, J. E. Halsey.

The Poland China sale of Tom Vint, at Spencer, Iowa, on February 16, was well attended, and he sold 50 head at an average of $79.80 per head. No. 2, at $135, and No. 8, at $132.50, went to James Bullock, Spencer, Iowa. No. 1 went to O. S. Conner, Spencer, Iowa, at $132.50. Nos. 5 and 6 brought $130 each, the former going to Hugo Whitrock, Primghar, Iowa, and the latter to Gust Carlson, Emmetsburg, Iowa. No. 3 was the top sow in the sale, and she went to Leonard Anderson, Linn Grove, Iowa, at $170. Joe Reisch did the selling.

Around the Farm AND IN THE Feed Lot

by HOWARD MARSHALL

IT BEGINS TO LOOK like our team called the wrong play in that food production huddle last fall. But now that we farmers have our second wind, we'll all just have to buckle down and work together like nobody's business to get the job done right. We won't get that long awaited breathing spell many have looked forward to, but then I can't recall when a farmer ever did get to the point where he could take it easy.

PLANS FOR RESTING many acres of our soil by putting it in rotation pasture, hay crops or just plain summer fallow will have to wait at least another year. Getting 150,000 additional acres of corn will be a big job, but 200,000 acres more beans, than was originally specified, will give many Triple A committeemen a headache. The combined acreage increase amounts to more than 3,500 acres per county, which is no small cabbage patch.

WITH SPRING just around the corner, many preparations can be made right now that will save considerable delays when field work begins. Seems as though something always goes wrong with the plow or disc the first day out, when they haven't been checked. As far as that goes, all machinery should have a thorough going-over even if it was in good running shape when it was put away last fall.

FOR MANY YEARS the Walnut Grove company has recommended ground feed for hogs. Customers who follow this plan swear by it, because thrifty and economical gains follow. In Benton and Tama counties, in eastern Iowa, Walter Herring, our representative for 20 years, has many such customers. They include, among others, George Schrader, Carl Brunssen, Wm. Eichmeyer, Loren Eichmeyer and Son, Vernon Ohde, Ralph Anderson and Alvin Husak. Of course, Walnut Grove fits in to any sound feeding plan.

THE OLD LANTERN and the hot water jug and the basket have been replaced in the farrowing pen by electric lights and electric brooders, but we haven't made nearly as much progress in saving pigs as these changes might indicate. Losing one-fourth of the crop at birth isn't what I call "poor luck." It indicates a lack of attention. When the sow builds her nest, cut off her feed. Bed her well. Add a handful of mineral to her water. Make her comfortable and be on hand when she farrows.

THE LITTLE PORKERS need that first milk to get off to a good start. About next in importance is a warm and dry place such as the electric brooder provides. The sow and pigs both do best when the sow is not fed for about 30 hours. Then, start her gradually back to a balanced ration. On sunny days let the pigs have sun. Just watch them grow!

WITH FEED SHORTAGES becoming more and more severe, it's time to point out how much feed our Walnut Grove customers save by using complete minerals in livestock rations. Many Sac county, Iowa, farmers agree when we say Walnut Grove is more valuable now than ever. Among these many users we find John Gray, Joe Schreiber, Art Anderson, Bentley Bros., Mike Peterson, Frank Berg and Mrs. Albert Peterson. Geo. Mandernach, of Sac City, represents us there.

TWO NEW BREEDS of livestock will soon be making a place for themselves on midwest farms. The American Cream horse is strictly an Iowa product, founded on the offspring of "Old Granny," a rich cream colored mare with a white mane and tail. Granny did her day's work on a Story county farm along about the turn of the century. Red Dane cattle, recently imported from Denmark, are growing in popularity in Michigan. We'll see them on Iowa farms soon, because they fit in cornbelt farming programs.

GOOD TIMES the past few years certainly proved that when workers have good pay-checks they eat more and better food. By the same measurement, when we have unemployment, the grocery basket gets smaller. A fully productive industry would call for more and better livestock, more milk cows, larger poultry flocks and greater production of fruits and vegetables. Such a pattern of farm production would encourage soil improvement, diversification of crops and all-around stability. That's the kind of farm economy we need.

ADD ANOTHER FIRST to the great list of items in which Iowa leads the nation. For years, Minnesota was the top butter producing state. However, we took over that honor this winter. It isn't much of a feather in our hat, though, because the real reason we are on top is because Minnesota creameries went out of the butter making business faster than our Iowa plants did. In 12 months, 257 out of 750 creameries stopped making butter.

ANYONE CONNECTED WITH sales work and the manufacturing business knows satisfied customers are the best asset. For over 25 years we have stressed utility satisfaction. In Ida county, Iowa, where Walnut Grove has been fed all these years, among our many other satisfied customers are men like Eldred Gronan, Marvin Jochems, Art Henderson, Herbert Stier, Stuart Baxter and Ferdinand Fick. Our customers in this territory are serviced by our well known agent, Ed England, of Arthur, Iowa.

LAMB PRICES are likely to reflect a slow but steady rise, but they are not apt to reach the peak they hit last season. Still, producers are able to gross about $19 per cwt. for top lambs when the subsidy is added in. Hog and cattle offerings are continuing to taper off, with the percentage of good and choice steers running smaller than it has for more than a year. Weights of some classes show they didn't do too well on soft corn.

THIS SOFT CORN situation is turning out just about the way many of us were afraid it might. As warmer temperatures moved in late last month, there were lots of cribs that showed the effects of heating. Moisture tests show much of the corn is still about as wet as a dishrag, and it'll take a lot of moving and recribbing if the bulk of it is saved.

IN ONE OF THE BEST farming and livestock feeding sections of the state of Iowa, Grundy county farmers are well pleased with the success they have with Walnut Grove minerals. Long-time users include, among many others, John Aalderks; Martin and Chris Henze, brothers, and their brother-in-law, John Seehusen; also John's brothers, Dick and George; Herman Paterni, Calvin Clauson and Herman Benninga. These men are serviced by our long-time representative in that territory, Sam Konken, who has been with us the past 11 years.

ONE OF THE BEST ways to grow a good crop of weeds is to sow oats that haven't been tested for purity and germination. If the germination is low, weeds will have a good chance to creep in and take over. There's little need to seed or drill in any more weed seed, either, because the ground is full enough as it is.

THE BOTTLENECK in the construction business naturally has been a lack of supplies. But did you ever stop to realize that in an average year 30 billion board feet of wood is used in the form of lumber in this country? The amount is so great it's hard to comprehend, but some fellow with a slide-rule has it figured out it would make up a board walk 30 feet wide, one inch thick, reaching all the way to the moon.

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Walnut Grove Minerals
Home Office ATLANTIC—IOWA

Livestock News

The North-Central Iowa Shorthorn sale, at Garner, Iowa, March 2, under the management of R. W. Hagie, brought out a good attendance. The top bull was Prince William 5th, from the Ben G. Studer herd, a son of Imp. Prince William, and sold for $390 to Wm. Benning, Ackley, Iowa. Goldfinder's Sultan 18th, from the same herd, went at $360 to F. A. Prignatz, Kanawha, Iowa. Milloray Supreme 3d was the favorite of many. He is a son of Goldfinder's Supreme and from the R. W. Hagie herd. He sold for $360 to P. H. Fitzgerald, Colo, Iowa. The top female was Roan Lady 4th, owned by Fred Gugisberg, and sold for $255 to Ralph Beck, Spencer, Iowa. Victoria Adelaide 13th sold for $220 to Glenn Bacon, Parkersburg, Iowa. Bridgebank June 3d went at $215 to L. O. Bacon, Parkersburg, Iowa. Buttercup Beauty, owned by Harold Overland, sold for $235 to Omar Malin, Kanawha, Iowa. Lady Reveller, a top red heifer, owned by Warren Dankel, sold for $220 to N. T. Findahl, Waterville, Minn. Cadet's Augusta Princess and Cadet Seal Dorothy, both red heifers from the herd of W. J. Schmidt & Son, sold for $225 each to Carl Dahlgreen, Clarion, Iowa. The 12 bulls averaged $238, with 29 females at $192 and 41 lots at a general average of $205. Auctioneer, J. E. Halsey.

The twenty-seventh annual sale of Polled Herefords by the Northwestern Polled Hereford Breeders Association, at Le Mars, Iowa, on February 21, was a decided success, and they sold 38 bulls at an average of $355 and 10 head of heifers at an average of $142. The 48 head made an average of $196 per head. The top of the sale was Master Domino 7th, consigned by Chas. Zangger, Larchwood, Iowa, and he went to A. T. Tousfeldt, Remsen, Iowa, at $650. J. E. DeJong bought Double Domino 16th from W. O. Zangger, North Loup, Neb., at $580, and Dale Fleecer, Aurelia, Iowa, bought WZ Advance Domino 5th at $405. Julius Thoene, Bonesteel, S. D., took a Westensee bull at $500, and Berkland Bros. sold Cherokee Pete to Dave J. Mueller, Freeman, S. D., at $515. P. M. Christensen & Son sold Domino Mixer 8th to Elmer J. Zuehl, Markeson, Wis., at $410. These were the tops. Col. Charley Corkle was the auctioneer. Ed Krise was secretary and manager of the sale.

Guy Jordan's Berkshire sale, at Red Oak, Iowa, on February 23, resulted in an average of $86 on 40 head, with a top of $140. Jordan had a good offering and in nice condition. It was a buyers' sale, and those who did come got some mighty good bargains. Eugene Eschelman, of Bridgewater, Iowa, was on hand and bought eight head. He took OOA at $140, and she was the top of the sale. He got No. 30 at $120, No. 14 at $100, No. 17 at $82.50, No. 16 at $80, No. 22 at $75, No. 25 at $82.50 and No. 32 at $77.50. Worth Mitchell, Chariton, Iowa, got No. 37 at $100. Edward R. Christiansen, Harlan, Iowa, took No. 39 at $85 and No. 42 at $97. Othe Hyde, Hastings, Iowa, got No. 41 at $85. Roy Westerland, Red Oak, Iowa, was one of the good buyers, and he got No. 21 at $137.50, No. 28 at $82.50 and No. 45 at $80. Kirk Dennis, Red Oak, secured three head at an average of $90. Several other good buyers were at this sale. C. B. Drake was the auctioneer.

The thirty-third annual spring Shorthorn sale, at South Omaha, Neb., in February, brought out the largest crowd ever seen at one of these sales, and they sold 44 bulls at an average of $295, and 28 females at an average of $253. The 72 head made an average of $279. Beau Prince, owned by Arthur H. Windom, was the grand champion bull in the sale, and he sold for $1,025, to go to A. J. Pancratz, Mountain Lake, Minn. This bull was bred by the Lomas Stock Farms, Villisca, Iowa. The second highest bull was the L. E. Crews entry, and he went to J. L. Harshberger, Humboldt, Neb., at $550. The reserve champion went to Mr. Hall, of Alliance, Neb., at $450. The highest selling female was Chartier Marian, shown by James Rasmussen, of Goldfield, Iowa, and she went to G. E. Sparks, Colome, S. D., at $500. It was a good offering of cattle and sold in nice condition, and it was one of the most successful sales ever held at this point. Merve Egerter was the manager of the sale, and J. E. Halsey was the auctioneer.

The Chester White sale of Earl Tatge, of Luzerne, Iowa, which was held at Belle Plaine, Iowa, February 12, brought out a fair attendance. He presented a splendid lot of well grown gilts. The top lot, No. 50, a daughter of Dream About and bred to Banner Sensation, sold for $175 to R. E. Williams, Iowa City, Iowa. Lot 19, by the same sire and bred to Silver Jubilee, sold for $160 to C. T. Keen & Sons, Legrand, Iowa. Lot 35 went at $115 to Albert Stuart, Newhall, Iowa. The 40 lots averaged $100. Auctioneer, J. E. Halsey.

The George Lippold, Jr., Hampshire hog sale, at Avoca, Iowa, February 22, was very successful. The top, Lot 51, sold for $200 to Gaylord Harris, Avoca, Iowa. Lot 7 went to Raymond Swartz, Walnut, Iowa, at $145. Lot 11 went to Ivan Olson, Council Bluffs, Iowa, at $140. The 50 registered sows averaged $116.70, with nine unregistered gilts at $104 each.

"HAYING TIME" THE MODERN WAY

THE BALE-O-MATIC

The new MM Bale-O-Matic is just what the name implies —an automatic hay baler that picks up the hay and ties it into firm square bales in slices with two 14 gauge wires while hay is under compression, and the only manpower needed is the tractor operator. The Bale-O-Matic delivers the bales to the rear. Density and weight of bales may be varied, but an automatic metering wheel assures that all bales are 40 inches long. The Bale-O-Matic features all-steel welded construction—light in weight, but durable, assuring long time dependable performance, light draft and low upkeep costs. All drive shafts operate on roller or bronze bearings. Plunger and counter shaft drive gears are cut steel, hardened, and run in an enclosed oil bath. The Bale-O-Matic is powered with a 4 cylinder air cooled engine with plenty of power. The Bale-O-Matic runs on two pneumatic tired wheels—dual wheels for soft ground are available. Only a limited number are being made for 1946, but see your MM dealer for complete facts—the Bale-O-Matic is a machine worth waiting for—also get facts on other modern MM haying machines.

THE FUTURE OF FARMING

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The foundation of our whole existence and all progress depends on the land and how it is worked. Most farmers know that you cannot continue to take good food, fibres and food oils from the land without returning many vital elements in the form of commercial fertilizers, lequme crops and manure. We know, too, that now is the time to take definite steps to conserve the land from the ravages of erosion in all its many forms . . . weeds, too, must be kept from devouring further the fertility of our soil. At the present we in North America still have the most diversified and highly productive agriculture and efficient farmers in all the world. During the war, food production was increased more than one-third with far less farm help. Farm labor supplies may be low for many years and farm wages have increased close to 200% in many places. The security of farmers for the future appears to depend on efficient mechanization — making the best possible use of cost reducing, time saving modern farm machinery—and an attitude that will stop once and for all time the abuse and misuse of farm land and its products—MM products are "Built to Do the Work" —you can depend on them.

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